Registration No. 333-\_\_\_

# **UNITED STATES** SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

FORM S-8 **REGISTRATION STATEMENT** UNDER **THE SECURITIES ACT OF 1933** 

# **VOLITIONRX LIMITED**

(Exact name of registrant as specified in its charter)

Delaware

91-1949078

(State or other jurisdiction of incorporation or organization)

(I.R.S. Employer Identification Number)

**1 Scotts Road** #24-05 Shaw Centre Singapore 228208 (Address of Principal Executive Offices; Zip Code)

> 2011 Equity Incentive Plan 2015 Stock Incentive Plan (Full title of the plan)

Agents and Corporations, Inc. 1201 Orange Street, Suite 600 Wilmington, DE 19899 (Name and address of agent for service)

+1 (646) 650-1351 (Telephone number, including area code, of agent for service)

> Copies to: Marc G. Alcser, Esq. Stradling Yocca Carlson & Rauth 660 Newport Center Drive, Suite 1600 Newport Beach, CA 92660 (949) 725-4000

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer," and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer

Accelerated filer

Non-accelerated filer Smaller reporting company x

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### CALCULATION OF REGISTRATION FEE

Title of Each Class of Securities to be Registered	Amount to be Registered (1)	Proposed Maximum Offering Price Per Share	Proposed Maximum Aggregate Offering Price	Amount of Registration Fee
Common Stock, \$0.001 par value				
- To be issued under the 2015 Stock Incentive Plan	1,000,000(2)	\$4.24 <b>(3)</b>	\$4,240,000	\$427
- Outstanding under the 2011 Equity Incentive Plan	1,950,300(4)	\$3.53 <b>(5)</b>	\$6,884,559	\$694
TOTAL	2,950,300		\$11,124,559	\$1,121

- (1) Pursuant to Rule 416(a) under the Securities Act of 1933, as amended (the "Securities Act"), this Registration Statement shall also cover any additional shares of VolitionRx Limited ("Volition" or the "Registrant") common stock, par value \$0.001 ("Common Stock") under the 2011 Equity Incentive Plan (the "2011 Plan") and 2015 Stock Incentive Plan (the "2015 Plan") by reason of any stock dividend, stock split, recapitalization or other similar transaction effected without receipt of consideration that increases the number of the Registrant's outstanding shares of Common Stock.
- (2) Represents 1,000,000 shares of Common Stock available for future issuance under the 2015 Plan.
- (3) Estimated solely for the purpose of calculating the registration fee pursuant to Rule 457(h) promulgated under the Securities Act. The Proposed Maximum Offering Price Per Shares is the average of the high and low prices for the Common Stock as reported on the NYSE MKT on December 10, 2015.
- (4) Represents 1,950,300 shares of Common Stock reserved for issuance pursuant to stock option awards outstanding under the 2011 Plan as of the date of this Registration Statement. No further grants will be made under the 2011 Plan.
- (5) Estimated solely for the purposes of calculating the registration fee pursuant to Rule 457(h) under the Securities Act. The Proposed Maximum Offering Price Per Share is the weighted average exercise price of outstanding awards granted under the 2011 Plan as of the date of this Registration Statement.

### PART I INFORMATION REQUIRED IN THE SECTION 10(a) PROSPECTUS

The information specified in Item 1 and Item 2 of Part I of Form S-8 is omitted from this filing in accordance with the provisions of Rule 428 under the Securities Act and the introductory note to Part I of the Form S-8. The documents containing the information specified in Part I of Form S-8 will be delivered to the participants in the stock incentive plans covered by this Registration Statement as required by Rule 428(b)(1).

#### PART II INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

#### Item 3. Incorporation of Documents by Reference

The following documents, which have been filed by the Registrant with the Securities and Exchange Commission (the "**Commission**") are hereby incorporated by reference herein, and shall be deemed to be part of, this Registration Statement:

- Registrant's Annual Report on Form 10-K for the fiscal year ended December 31, 2014 filed with the Commission on March 18, 2015.
- · Registrant's Definitive Proxy Statement on Schedule 14A, as filed with the Commission on September 16, 2015;
- Registrant's Quarterly Report on Form 10-Q for the fiscal quarters ended March 31, 2015, June 30, 2015 and September 30, 2015 filed with the Commission on May 12, 2015, August 11, 2015 and November 4, 2015, respectively.
- · Registrant's Current Reports on Form 8-K filed with the Commission on:
  - o January 2, 2015;
  - o February 6, 2015;
  - o August 17, 2015; and
  - o November 3, 2015.
- The description of the Registrant's common stock is contained in the Registration Statement on Form 8-A, filed with the Commission on February 3, 2015 pursuant to Section 12(b) of the Securities Exchange Act of 1934, as amended (the "**Exchange Act**"), and any amendments or reports filed for the purpose of updating such description.

All documents filed by the Registrant pursuant to Section 13(a), 13(c), 14 and 15(d) of the Exchange Act, subsequent to the date of the filing of this Registration Statement and prior to the filing of a post-effective amendment that indicates that all securities registered hereunder have been sold, or that deregisters all securities then remaining unsold, shall be deemed to be incorporated by reference in this Registration Statement and to be a part hereof from the date of the filing of such documents. Any statement contained herein or in a document, all or a portion of which is incorporated or deemed to be incorporated by reference herein, shall be deemed to be modified or superseded for purposes of this Registration Statement to the extent that a statement contained herein or in any other subsequently filed document which also is or is deemed to be incorporated by reference herein modifies or supersedes such statement. Any such statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this Registration Statement.

### Item 4. Description of Securities

Not applicable.

### Item 5. Interests of Named Experts and Counsel

Not applicable.



#### Item 6. Indemnification of Directors and Officers

### Indemnification Provisions of the Registrant's Certificate of Incorporation

- A. The Registrant shall indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending, or completed action, suit or proceeding, whether civil, criminal, administrative, or investigative (other than an action by or in the right of the Registrant) by reason of the fact that he is or was a director, officer, employee, or agent of another corporation, partnership, joint venture, trust, or other enterprise, against expenses (including attorneys' fees), judgments, fines, and amounts paid in settlement actually and reasonably incurred by him in connection with such action, suit, or proceeding if he acted in good faith and in a manner he reasonably believed to be in or not opposed to the best interests of the Registrant, and, with respect to any criminal action or proceeding by judgment, order, settlement, conviction, or upon a plea of no contest or its equivalent shall not, of itself, create a presumption that the person did not act in good faith and in a manner which he reasonably believed to be in or proceeding, and with respect to any criminal action or proceeding by judgment, order, settlement, and with respect to any criminal action or proceeding by judgment, order, settlement, and with respect to any criminal action or proceeding by judgment, and with respect to any criminal action or proceeding by judgment, and with respect to any criminal action or proceeding by judgment, and with respect to any criminal action or proceeding by judgment, and with respect to any criminal action or proceeding by judgment, and with respect to any criminal action or proceeding by judgment, and with respect to any criminal action or proceeding by judgment, and with respect to any criminal action or proceeding, had reasonably believed to be in or not opposed to the best interests of the Registrant, and with respect to any criminal action or proceeding, had reasonable cause to believe that his conduct was unlawful.
- B. The Registrant shall indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending, or completed action or suit by or in the right of the Registrant to procure a judgment in its favor by reason of the fact that he is or was a director, officer, employee, or agent of the Registrant, or is or was serving at the request of the Registrant as a director, officer, employee, or agent of another corporation, partnership, joint venture, trust, or other enterprise against expenses (including attorneys' fees) actually and reasonably incurred by him in connection with the defense or settlement of such action or suit if he acted in good faith and in a manner he reasonably believed to be in or not opposed to the best interests of the Registrant and except that no indemnification shall be made in respect of any claim, issue, or matter as to which such person shall have been adjudged to be liable for negligence or misconduct in the performance of his duty to the Registrant unless and only to the extent that the court in which such action or suit was brought shall determine upon application that, despite the adjudication of liability but in view of all the circumstances of the case, such person is fairly and reasonably entitled to indemnity for such expenses which the court shall deem proper.
- C. To the extent that a director, officer, employee, or agent of the Registrant has been successful on the merits or otherwise in defense of any action, suit, or proceeding referred to in paragraphs (A) and (B), above, or in defense of any claim, issue, or matter therein, he shall be indemnified against expenses (including attorneys' fees) actually and reasonably incurred by him in connection therewith.
- D. Any indemnification under paragraphs (A) and (B), above, (unless ordered by a court) shall be made by the Registrant only as authorized in the specific case upon a determination that indemnification of the director, officer, employee, or agent is proper in the circumstances because he has met the applicable standard of conduct set forth in paragraphs (A) and (B), above. Such determination shall be made (1) by the board of directors by a majority vote of a quorum consisting of directors who were not parties to such action, suit, or proceeding, or (2) if such a quorum is not obtainable, or, even if obtainable a quorum of disinterested directors so directs, by independent legal counsel in a written opinion, or (3) by the stockholders.
- E. Expenses incurred in defending a civil or criminal action, suit, or proceeding may be paid by the Registrant in advance of the final disposition of such action, suit, or proceeding as authorized by the board of directors in the specific case upon receipt of an undertaking by or on behalf of the director, officer, employee, or agent to repay such amount unless it shall ultimately be determined that he is entitled to be indemnified by the Registrant as authorized herein.

#### Indemnification Provisions of the Registrant's Bylaws

The Registrant's bylaws provide mandatory indemnification to the fullest extent authorized by the Delaware General



Corporation Law with respect to actions, suits, or proceedings that a person is party to, or threatened to be made a party to or otherwise involved in, by reason of the fact that such person is or was a director or officer of the Registrant, or by reason of the fact that such is or was a director or officer of the Registrant and serving in certain other capacities; provided that any such person has met the applicable standard of conduct set forth in the Delaware General Corporation Law described below, with certain exceptions as described in the bylaws. The Registrant's bylaws include within this right to indemnification the right to be paid by the Registrant the expenses incurred in defending such a proceeding in advance of its final disposition; provided that, in certain circumstances, the person provides an undertaking to the Registrant to repay such expenses, if it is ultimately determined that such party was not entitled to indemnity by the Registrant. The Registrant may purchase policies of directors' and officers' liability insurance to insure directors and officers against the costs of defense, settlement and/or payment of judgment under certain circumstances. In certain situations, as described in the bylaws, the Registrant is not required to indemnify any person in connection with any proceeding.

#### **Delaware Law on Indemnification**

Delaware General Corporation Law provides, in general, that a corporation incorporated under the laws of the State of Delaware, such as the Registrant, may indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action, suit or proceeding (other than a derivative action by or in the right of the corporation) by reason of the fact that such person is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another enterprise, against expenses (including attorneys' fees), judgments, fines and amounts paid in settlement actually and reasonably incurred by such person in connection with such action, suit or proceeding if such person acted in good faith and in a manner such person reasonably believed to be in or not opposed to the best interests of the corporation, and, with respect to any criminal action or proceeding, had no reasonable cause to believe such person's conduct was unlawful. In the case of a derivative action, a Delaware corporation may indemnify any such person against expenses (including attorneys' fees) actually and reasonably incurred by such person in connection with the defense or settlement of such action or suit if such person acted in good faith and in a manner such person reasonably believed to be in or not opposed to the best interests of the corporation, except that no indemnification will be made in respect of any claim, issue or matter as to which such person will have been adjudged to be liable to the corporation unless and only to the extent that the State of Delaware or any other court in which such action was brought determines such person is fairly and reasonably entitled to indemnity for such expenses.

Regarding indemnification for liabilities arising under the Securities Act which may be permitted for directors or officers pursuant to the foregoing provisions, we are informed that, in the opinion of the Securities and Exchange Commission, such indemnification is against public policy, as expressed in the Act and is therefore unenforceable.

As permitted by the Delaware General Corporation Law, the Registrant has entered into indemnification agreements with each of its directors and executive officers. These agreements require the Registrant to indemnify these individuals to the fullest extent permitted under Delaware law against liabilities that may arise by reason of their service to the Registrant, and to advance expenses incurred as a result of any proceeding against them as to which they could be indemnified.

The Registrant has an insurance policy covering its directors and executive officers with respect to certain liabilities, including liabilities arising under the Securities Act and otherwise.

### Item 7. Exemption from Registration Claimed

Not applicable.

#### Item 8. Exhibits

A list of exhibits filed with this Registration Statement is set forth in the Exhibit Index hereto and is incorporated herein by reference.



#### Item 9. Undertakings

(a) The undersigned registrant hereby undertakes:

(1) to file, during any period in which offers or sales are being made, a post-effective amendment to this Registration Statement:

(i) to include any prospectus required by section 10(a)(3) of the Securities Act;

(ii) to reflect in the prospectus any facts or events arising after the effective date of the Registration Statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the Registration Statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20% change in the maximum aggregate offering price set forth in the "Calculation of Registration Statement; and

(iii) to include any material information with respect to the plan of distribution not previously disclosed in the Registration Statement or any material change to such information in the Registration Statement; *provided, however*, that paragraphs (a)(1)(i) and (a)(1)(ii) do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the Commission by the registrant pursuant to section 13 or section 15(d) of the Exchange Act that are incorporated by reference in the Registration Statement.

(2) that, for the purpose of determining any liability under the Securities Act, each such post-effective amendment shall be deemed to be a new Registration Statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.

(3) to remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(b) The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act, each filing of the registrant's annual report pursuant to section 13(a) or section 15(d) of the Exchange Act (and, where applicable, each filing of an employee benefit plan's annual report pursuant to section 15(d) of the Exchange Act), that is incorporated by reference in the Registration Statement shall be deemed to be a new Registration Statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.

(c) Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the Commission such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

#### SIGNATURES

Pursuant to the requirements of the Securities Act, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized in the City of Namur, Belgium, on December 11, 2015.

### VOLITIONRX LIMITED

By: <u>/s/ Cameron Reynolds</u>

Cameron Reynolds President, Chief Executive Officer and Director (Duly Authorized Officer and Principal Executive Officer)

### **POWER OF ATTORNEY**

KNOW ALL PERSONS BY THESE PRESENTS that each individual whose signature appears below constitutes and appoints Cameron Reynolds and Rodney Rootsaert, and each or either of them, acting individually, his or her true and lawful attorney-in-fact and agent, with full power of substitution, for him or her and in his or her name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this Registration Statement, and to file the same, with all exhibits thereto and other documents in connection therewith, with the Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done in connection therewith, as fully to all intents and purposes as he or she might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, or either of them, or his, her or their substitute or substitutes, may lawfully do or cause to be done or by virtue hereof.

Pursuant to the requirements of the Securities Act, this Registration Statement has been signed by the following persons in the capacities and on the date indicated.

<u>Signature</u>	Title	Date
/s/ Cameron Reynolds Cameron Reynolds	President, Chief Executive Officer and Director (Principal Executive Officer)	December 11, 2015
/s/ David Kratochvil David Kratochvil	Chief Financial Officer and Treasurer (Principal Financial and Accounting Officer)	December 11, 2015
/s/ Rodney Gerard Rootsaert Rodney Gerard Rootsaert	Secretary	December 11, 2015
/s/ Dr. Martin Faulkes Dr. Martin Faulkes	Director	December 11, 2015
/s/ Guy Innes Guy Innes	Director	December 11, 2015
/s/ Dr. Alan Colman Dr. Alan Colman	Director	December 11, 2015
/s/ Dr. Habib Skaff Dr. Habib Skaff	Director	December 11, 2015

Exhibit Number	Exhibit
4.1	Amended and Restated Certificate of Incorporation (incorporated by reference to Exhibit 3.01 to the
	Current Report on Form 8-K filed on October 7, 2013).
4.2 +	Amended and Restated Bylaws.
4.3	2011 Equity Incentive Plan (incorporated by reference to Exhibit 4.1 to the Current Report on Form 8-K filed on November 18, 2011).
4.4	2011 Equity Incentive Plan Form of Stock Option Agreement (incorporated by reference to Exhibit 4.2 to the Current Report on Form 8-K filed on November 18, 2011).
4.5	2011 Equity Incentive Plan Form of Stock Award Agreement (incorporated by reference to Exhibit 4.3 to the Current Report on Form 8-K filed on November 18, 2011).
4.6+	2015 Stock Incentive Plan and related form agreements.
5.1 +	Opinion of Stradling Yocca Carlson & Rauth, a Professional Corporation.
23.1 +	Consent of Stradling Yocca Carlson & Rauth, a Professional Corporation (contained in Exhibit 5.1).
23.2 +	Consent of Independent Registered Public Accounting Firm.
24.1 +	Power of Attorney (contained on signature page).

+ Filed herewith.

AMENDED AND RESTATED BYLAWS OF VOLITIONRX LIMITED

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#### AMENDED AND RESTATED BYLAWS OF VOLITIONRX LIMITED

### **ARTICLE I - CORPORATE OFFICES**

**1.1** <u>Registered Office</u>. The registered office of VolitionRx Limited shall be fixed in the corporation's certificate of incorporation, as the same may be amended from time to time.

**1.2** <u>Other Offices</u>. The corporation's board of directors may at any time establish other offices at any place or places where the corporation is qualified to do business.

**1.3** <u>Books and Records</u>. Any records maintained by the Corporation in the regular course of its business, including its stock ledger, books of account and minute books, may be maintained on any information storage device or method; provided that the records so kept can be converted into clearly legible paper form within a reasonable time. The Corporation shall so convert any records so kept upon the request of any person entitled to inspect such records pursuant to applicable law.

### **ARTICLE II - MEETINGS OF STOCKHOLDERS**

2.1 <u>Place of Meetings</u>. Meetings of stockholders shall be held at any place, within or outside the State of Delaware, designated by the board of directors. The board of directors may, in its sole discretion, determine that a meeting of stockholders shall not be held at any place, but may instead be held solely by means of remote communication as authorized by Section 211(a)(2) of the Delaware General Corporation Law (the "**DGCL**"). In the absence of any such designation or determination, stockholders' meetings shall be held at the corporation's principal executive office.

2.2 <u>Annual Meeting</u>. The annual meeting of stockholders shall be held on such date, at such time, and at such place (if any) within or without the State of Delaware as shall be designated from time to time by the board of directors and stated in the corporation's notice of the meeting. At the annual meeting, directors shall be elected and any other proper business, brought in accordance with Section 2.4 of these bylaws, may be transacted. The board of directors may cancel, postpone or reschedule any previously scheduled annual meeting at any time, before or after the notice for such meeting has been sent to the stockholders.

# 2.3 Special Meeting.

(i) A special meeting of the stockholders, other than those required by statute, may be called at any time by (A) the board of directors pursuant to a resolution adopted by a majority of the board of directors, (B) the chairman of the board of directors, (C) the chief executive officer or (D) the president (in the absence of a chief executive officer), but a special meeting may not be called by any other person or persons. The board of directors may cancel, postpone or reschedule any previously scheduled special meeting at any time, before or after the notice for such meeting has been sent to the stockholders.

(ii) The notice of a special meeting shall include the purpose for which the meeting is called. Only such business shall be conducted at a special meeting of stockholders as shall have been brought before the meeting by or at the direction of the board of directors, chairman of the board of directors, chief executive officer or president (in the absence of a chief executive officer). Nothing contained in this Section 2.3(ii) shall be construed as limiting, fixing or affecting the time when a meeting of stockholders called by action of the board of directors may be held.

### 2.4 <u>Advance Notice Procedures</u>.

(i) Advance Notice of Stockholder Business. At an annual meeting of the stockholders, only such business shall be conducted as shall have been properly brought before the meeting. To be properly brought before an annual meeting, business must be brought: (A) pursuant to the corporation's proxy materials with respect to such meeting, (B) by or at the direction of the board of directors, or (C) by a stockholder of the corporation who (1) is a stockholder of record at the time of the giving of the notice required by this Section 2.4(i) and on the record date for the determination of stockholders entitled to vote at the annual meeting and (2) has timely complied in proper written form with the notice procedures set forth in this Section 2.4(i). In addition, for business to be properly brought before an annual meeting by a stockholder, such business must be a proper matter for stockholder action pursuant to these bylaws and applicable law. For the avoidance of doubt, except for proposals properly made in accordance with Rule 14a-8 under the Securities and Exchange Act of 1934, as amended, or any successor thereto (the "**1934 Act**"), and the regulations thereunder (or any successor rule and in any case as so amended), clause (C) above shall be the exclusive means for a stockholder to bring business before an annual meeting of stockholders.

To comply with clause (C) of Section 2.4(i) above, a stockholder's notice must set forth all (a)information required under this Section 2.4(i) and must be timely received by the secretary of the corporation. To be timely, a stockholder's notice must be received by the secretary at the principal executive offices of the corporation not later than the 45th day nor earlier than the 75th day before the one-year anniversary of the date on which the corporation first mailed its proxy materials or a notice of availability of proxy materials (whichever is earlier) for the preceding year's annual meeting; provided, however, that in the event that no annual meeting was held in the previous year or if the date of the annual meeting is advanced by more than 30 days prior to or delayed by more than 60 days after the one-year anniversary of the date of the previous year's annual meeting, then, for notice by the stockholder to be timely, it must be so received by the secretary not earlier than the close of business on the 120th day prior to such annual meeting and not later than the close of business on the later of (i) the 90th day prior to such annual meeting, or (ii) the tenth day following the day on which Public Announcement (as defined below) of the date of such annual meeting is first made. In no event shall any adjournment, rescheduling or postponement of an annual meeting or the announcement thereof commence a new time period for the giving of a stockholder's notice as described in this Section 2.4(i)(a). "Public Announcement" shall mean disclosure in a press release reported by the Dow Jones News Service, Associated Press or a comparable national news service, in a document publicly filed by the corporation with the Securities and Exchange Commission pursuant to Section 13, 14 or 15(d) of the 1934 Act.

To be in proper written form, a stockholder's notice to the secretary must set forth as to each (b) matter of business the stockholder intends to bring before the annual meeting: (1) a brief description of the business intended to be brought before the annual meeting and the reasons for conducting such business at the annual meeting, (2) the name and address, as they appear on the corporation's books, of the stockholder proposing such business and any Stockholder Associated Person (as defined below), (3) the class and number of shares of the corporation that are held of record or are beneficially owned by the stockholder or any Stockholder Associated Person and any derivative positions held or beneficially held by the stockholder or any Stockholder Associated Person, (4) whether and the extent to which any hedging or other transaction or series of transactions has been entered into by or on behalf of such stockholder or any Stockholder Associated Person with respect to any securities of the corporation, and a description of any other agreement, arrangement or understanding (including any short position or any borrowing or lending of shares), the effect or intent of which is to mitigate loss to, or to manage the risk or benefit from share price changes for, or to increase or decrease the voting power of, such stockholder or any Stockholder Associated Person with respect to any securities of the corporation, (5) any material interest of the stockholder or a Stockholder Associated Person in such business, and (6) a statement whether either such stockholder or any Stockholder Associated Person will deliver a proxy statement and form of proxy to holders of at least the percentage of the voting power of the corporation's voting shares required under applicable law to carry the proposal (such information provided and statements made as required by clauses (1) through (6), a "Business Solicitation Statement"). In addition, to be in proper written form, a stockholder's notice to the secretary must be supplemented not later than ten days following the record date for the determination of stockholders entitled to notice of the meeting to disclose the information contained in clauses (3) and (4) above as of the record date. For purposes of this Section 2.4, a "Stockholder Associated Person" of any stockholder shall mean (i) any person controlling, directly or indirectly, or acting in concert with, such stockholder, (ii) any beneficial owner of shares of stock of the corporation owned of record or beneficially by such stockholder and on whose behalf the proposal or nomination, as the case may be, is being made, or (iii) any person controlling, controlled by or under common control with such person referred to in the preceding clauses (i) and (ii).

(c) A stockholder providing written notice required by this Section 2.4(i) shall update and supplement such notice in writing, if necessary, so that the information provided or required to be provided in such notice is true and correct in all material respects as of (i) the record date for the meeting and (ii) the date that is five business days prior to the meeting and, in the event of any adjournment or postponement thereof, five business days prior to such adjourned or postponed meeting. In the case of an update and supplement pursuant to clause (i) of this Section 2.4(i)(c), such update and supplement shall be received by the secretary at the principal executive offices of the corporation not later than five business days after the record date for the meeting. In the case of an update and supplement pursuant to clause (ii) of this Section 2.4(i)(c), such update and supplement shall be received by the secretary at the principal executive offices of the corporation not later than two business days prior to the date for the meeting, and, in the event of any adjournment or postponement thereof, two business days prior to such adjourned or postponed meeting.

(d) Without exception, no business shall be conducted at any annual meeting except in accordance with the provisions set forth in this Section 2.4(i) and, if applicable, Section 2.4(ii). In addition, business proposed to be brought by a stockholder may not be brought before the annual meeting if such stockholder or a Stockholder Associated Person, as applicable, takes action contrary to the representations made in the Business Solicitation Statement applicable to such business or if the Business Solicitation Statement applicable to such business contains an untrue statement of a material fact or omits to state a material fact necessary to make the statements therein not misleading. The chairperson of the annual meeting shall, if the facts warrant, determine and declare at the annual meeting that business was not properly brought before the annual meeting and in accordance with the provisions of this Section 2.4(i), and, if the chairperson should so determine, he or she shall so declare at the annual meeting that any such business not properly brought before the annual meeting that any such business not properly brought before the annual meeting that business have a shall not be conducted.

(ii) Advance Notice of Director Nominations at Annual Meetings. Notwithstanding anything in these bylaws to the contrary, only persons who are nominated in accordance with the procedures set forth in this Section 2.4(ii) shall be eligible for election or re-election as directors at an annual meeting of stockholders. Nominations of persons for election to the board of directors of the corporation shall be made at an annual meeting of stockholders only (A) by or at the direction of the board of directors or (B) by a stockholder of the corporation who (1) was a stockholder of record at the time of the giving of the notice required by this Section 2.4(ii) and on the record date for the determination of stockholders entitled to vote at the annual meeting and (2) has complied with the notice procedures set forth in this Section 2.4(ii). In addition to any other applicable requirements, for a nomination to be made by a stockholder, the stockholder must have given timely notice thereof in proper written form to the secretary of the corporation.

(a) To comply with clause (B) of Section 2.4(ii) above, a nomination to be made by a stockholder must set forth all information required under this Section 2.4(ii) and must be received by the secretary of the corporation at the principal executive offices of the corporation at the time set forth in, and in accordance with, the final three sentences of Section 2.4(i)(a) above; provided additionally, however, that in the event that the number of directors to be elected to the board of directors is increased and there is no Public Announcement naming all of the nominees for director or specifying the size of the increased board made by the corporation at least ten days before the last day a stockholder may deliver a notice of nomination pursuant to the foregoing provisions, a stockholder's notice required by this Section 2.4(ii) shall also be considered timely, but only with respect to nominees for any new positions created by such increase, if it shall be received by the secretary of the corporation at the principal executive offices of the corporation not later than the close of business on the tenth day following the day on which such Public Announcement is first made by the corporation.

(b) To be in proper written form, such stockholder's notice to the secretary must set forth:

(1)as to each person (a "nominee") whom the stockholder proposes to nominate for election or re-election as a director: (A) the name, age, business address and residence address of the nominee, (B) the principal occupation or employment of the nominee, (C) the class and number of shares of the corporation that are held of record or are beneficially owned by the nominee and any derivative positions held or beneficially held by the nominee, (D) whether and the extent to which any hedging or other transaction or series of transactions has been entered into by or on behalf of the nominee with respect to any securities of the corporation, and a description of any other agreement, arrangement or understanding (including any short position or any borrowing or lending of shares), the effect or intent of which is to mitigate loss to, or to manage the risk or benefit of share price changes for, or to increase or decrease the voting power of the nominee, (E) a description of all arrangements or understandings between or among any of the stockholder, each nominee and/or any other person or persons (naming such person or persons) pursuant to which the nominations are to be made by the stockholder or relating to the nominee's potential service on the board of directors, (F) a written statement executed by the nominee acknowledging that as a director of the corporation, the nominee will owe a fiduciary duty under Delaware law with respect to the corporation and its stockholders, and (G) any other information relating to the nominee that would be required to be disclosed about such nominee if proxies were being solicited for the election of the nominee as a director, or that is otherwise required, in each case pursuant to Regulation 14A under the 1934 Act (including without limitation the nominee's written consent to being named in the proxy statement, if any, as a nominee and to serving as a director if elected); and

(2) as to such stockholder giving notice, (A) the information required to be provided pursuant to clauses (2) through (5) of Section 2.4(i)(b) above, and the supplement referenced in the second sentence of Section 2.4(i) (b) above (except that the references to "business" in such clauses shall instead refer to nominations of directors for the purposes of this paragraph), and (B) a statement whether either such stockholder or Stockholder Associated Person will deliver a proxy statement and form of proxy to holders of at least the percentage of the corporation's voting shares reasonably believed by such stockholder or Stockholder Associated Person to be necessary to elect such nominee(s) (such information provided and statements made as required by clauses (A) and (B) above, a "**Nominee Solicitation Statement**").

(c) At the request of the board of directors, any person nominated by a stockholder for election as a director must furnish to the secretary of the corporation (1) that information required to be set forth in the stockholder's notice of nomination of such person as a director as of a date subsequent to the date on which the notice of such person's nomination was given and (2) such other information as may reasonably be required by the corporation to determine the eligibility of such proposed nominee to serve as an independent director of the corporation or that could be material to a reasonable stockholder's understanding of the independence, or lack thereof, of such nominee; in the absence of the furnishing of such information if requested, such stockholder's nomination shall not be considered in proper form pursuant to this Section 2.4(ii).

(d) A stockholder providing written notice required by this Section 2.4(ii) shall update and supplement such notice in writing, if necessary, so that the information provided or required to be provided in such notice is true and correct in all material respects as of (i) the record date for the meeting and (ii) the date that is five business days prior to the meeting and, in the event of any adjournment or postponement thereof, five business days prior to such adjourned or postponed meeting. In the case of an update and supplement pursuant to clause (i) of this Section 2.4(ii)(d), such update and supplement shall be received by the secretary at the principal executive offices of the corporation not later than five business days after the record date for the meeting. In the case of an update and supplement pursuant to clause (ii) of this Section 2.4(ii)(d), such update and supplement shall be received by the secretary at the principal executive offices of the corporation not later than two business days prior to the date for the meeting, and, in the event of any adjournment or postponement thereof, two business days prior to such adjourned or postponed meeting.

(e) Without exception, no person shall be eligible for election or re-election as a director of the corporation at an annual meeting of stockholders unless nominated in accordance with the provisions set forth in this Section 2.4(ii). In addition, a nominee shall not be eligible for election or re-election if a stockholder or Stockholder Associated Person, as applicable, takes action contrary to the representations made in the Nominee Solicitation Statement applicable to such nominee or if the Nominee Solicitation Statement applicable to such nominee contains an untrue statement of a material fact or omits to state a material fact necessary to make the statements therein not misleading. The chairperson of the annual meeting shall, if the facts warrant, determine and declare at the annual meeting that a nomination was not made in accordance with the provisions prescribed by these bylaws, and if the chairperson should so determine, he or she shall so declare at the annual meeting, and the defective nomination shall be disregarded.

(f) To be eligible to be a nominee for election as a director of the corporation, the proposed nominee must deliver (in accordance with the time periods prescribed for delivery of notice under this Section 2.4(iii) to the secretary at the principal executive offices of the corporation a written questionnaire with respect to the background and qualification of such proposed nominee (which questionnaire shall be provided by the secretary upon written request) and a written representation and agreement (in form provided by the secretary upon written request) that such proposed nominee (i) is not and will not become a party to (A) any agreement, arrangement or understanding with, and has not given any commitment or assurance to, any person or entity as to how such proposed nominee, if elected as a director of the corporation, will act or vote on any issue or question (a "Voting Commitment") that has not been disclosed to the corporation or (B) any Voting Commitment that could limit or interfere with such proposed nominee's ability to comply, if elected as a director of the corporation, with such proposed nominee's fiduciary duties under applicable law, (ii) is not, and will not become a party to, any agreement, arrangement or understanding with any person or entity other than the corporation with respect to any direct or indirect compensation, reimbursement or indemnification in connection with service or action as a director that has not been disclosed to the corporation and (iii) in such proposed nominee's individual capacity and on behalf of the stockholder (or the beneficial owner, if different) on whose behalf the nomination is made, would be in compliance, if elected as a director of the corporation, and will comply with applicable publicly disclosed corporate governance, conflict of interest, confidentiality and stock ownership and trading policies and guidelines of the corporation.

## (iii) Advance Notice of Director Nominations for Special Meetings.

For a special meeting of stockholders at which directors are to be elected pursuant to Section 2.3, (a) nominations of persons for election to the board of directors shall be made only (1) by or at the direction of the board of directors or (2) by any stockholder of the corporation who (A) is a stockholder of record at the time of the giving of the notice required by this Section 2.4(iii) and on the record date for the determination of stockholders entitled to vote at the special meeting and (B) delivers a timely written notice of the nomination to the secretary of the corporation that includes the information set forth in Sections 2.4(ii)(b) and (ii)(c) above. To be timely, such notice must be received by the secretary at the principal executive offices of the corporation not later than the close of business on the later of the 90th day prior to such special meeting or the tenth day following the day on which Public Announcement is first made of the date of the special meeting and of the nominees proposed by the board of directors to be elected at such meeting. In no event shall any adjournment, rescheduling or postponement of a special meeting or the announcement thereof commence a new time period for the giving of a stockholder's notice. A person shall not be eligible for election or reelection as a director at a special meeting unless the person is nominated (i) by or at the direction of the board of directors or (ii) by a stockholder in accordance with the notice procedures set forth in this Section 2.4(iii). In addition, a nominee shall not be eligible for election or re-election if a stockholder or Stockholder Associated Person, as applicable, takes action contrary to the representations made in the Nominee Solicitation Statement applicable to such nominee or if the Nominee Solicitation Statement applicable to such nominee contains an untrue statement of a material fact or omits to state a material fact necessary to make the statements therein not misleading.

(b) The chairperson of the special meeting shall, if the facts warrant, determine and declare at the meeting that a nomination or business was not made in accordance with the procedures prescribed by these bylaws, and if the chairperson should so determine, he or she shall so declare at the meeting, and the defective nomination or business shall be disregarded.

(iv) Other Requirements and Rights. In addition to the foregoing provisions of this Section 2.4, a stockholder must also comply with all applicable requirements of state law and of the 1934 Act and the rules and regulations thereunder with respect to the matters set forth in this Section 2.4, including, with respect to business such stockholder intends to bring before the annual meeting that involves a proposal that such stockholder requests to be included in the corporation's proxy statement, the requirements of Rule 14a-8 (or any successor provision) under the 1934 Act. Nothing in this Section 2.4 shall be deemed to affect any right of the corporation to omit a proposal from the corporation's proxy statement pursuant to Rule 14a-8 (or any successor provision) under the 1934 Act.

2.5 <u>Notice of Stockholders' Meetings</u>. Whenever stockholders are required or permitted to take any action at a meeting, a written notice of the meeting shall be given which shall state the place, if any, date and hour of the meeting, the means of remote communications, if any, by which stockholders and proxy holders may be deemed to be present in person and vote at such meeting, the record date for determining the stockholders entitled to vote at the meeting, if such date is different from the record date for determining stockholders entitled to notice of the meeting, and, in the case of a special meeting, the purpose or purposes for which the meeting is called. Except as otherwise provided in the DGCL, the certificate of incorporation or these bylaws, the written notice of any meeting of stockholders shall be given not less than 10 nor more than 60 days before the date of the meeting to each stockholder entitled to vote at such meeting as of the record date for determining the stockholders entitled to notice of the meeting.

2.6 Quorum. The holders of a majority of the voting power of the stock issued and outstanding and entitled to vote, present in person or represented by proxy, shall constitute a quorum for the transaction of business at all meetings of the stockholders, unless otherwise required by law, the certificate of incorporation, these bylaws or the rules of any applicable stock exchange. Where a separate vote by a class or series or classes or series is required, a majority of the voting power of the issued and outstanding shares of such class or series or classes or series, present in person or represented by proxy, shall constitute a quorum entitled to take action with respect to that vote on that matter, except as otherwise required by law, the certificate of incorporation, these bylaws or the rules of any applicable stock exchange. A quorum, once established, shall not be broken by the subsequent withdrawal of enough votes to leave less than a quorum. At any such adjourned meeting at which there is a quorum, any business may be transacted that might have been transacted at the meeting originally called.

Whether or not a quorum is present at a meeting of stockholders, the chairperson of the meeting shall have power to adjourn the meeting from time to time, without notice other than announcement at the meeting. At such adjourned meeting at which a quorum is present or represented, any business may be transacted that might have been transacted at the original meeting.

2.7 Adjourned Meeting; Notice. When a meeting is adjourned to another time or place, unless these bylaws otherwise require, notice need not be given of the adjourned meeting if the time, place, if any, thereof, and the means of remote communications, if any, by which stockholders and proxy holders may be deemed to be present in person and vote at such adjourned meeting are announced at the meeting at which the adjournment is taken. At the adjourned meeting, the corporation may transact any business which might have been transacted at the original meeting. If the adjournment is for more than 30 days, a notice of the adjourned meeting shall be given to each stockholder of record entitled to vote at the meeting. If after the adjournment a new record date for stockholders entitled to vote is fixed for the adjourned meeting, the board of directors shall fix a new record date for notice of such adjourned meeting in accordance with Section 213(a) of the DGCL and Section 2.11 of these bylaws, and shall give notice of the adjourned meeting to each stockholder of record entitled to vote at such adjourned meeting as of the record date fixed for notice of such adjourned meeting.

**2.8** <u>Conduct Of Business</u>. The chairperson of any meeting of stockholders shall determine the order of business and the procedure at the meeting, including such regulation of the manner of voting and the conduct of business. The chairperson of any meeting of stockholders shall be designated by the board of directors; in the absence of such designation, the chairman of the board, if any, the chief executive officer (in the absence of the chairman) or the president (in the absence of the chairman of the board and the chief executive officer), or in their absence any other executive officer of the corporation, shall serve as chairperson of the stockholder meeting.

**2.9** <u>Voting</u>. The stockholders entitled to vote at any meeting of stockholders shall be determined in accordance with the provisions of Section 2.11 of these bylaws, subject to Section 217 (relating to voting rights of fiduciaries, pledgors and joint owners of stock) and Section 218 (relating to voting trusts and other voting agreements) of the DGCL.

Except as may be otherwise provided in the certificate of incorporation, each stockholder shall be entitled to one vote for each share of capital stock held by such stockholder.

Except as otherwise required by law, the certificate of incorporation, these bylaws or the rules of any applicable stock exchange, in all matters other than the election of directors, the affirmative vote of a majority of the voting power of the shares present in person or represented by proxy at the meeting and entitled to vote on the subject matter shall be the act of the stockholders. Except as otherwise required by law, the certificate of incorporation, these bylaws or the rules of any applicable stock exchange, directors shall be elected by a plurality of the voting power of the shares present in person or represented by proxy at the meeting and entitled to vote by a class or series or classes or series is required, in all matters other than the election of directors, the affirmative vote of the majority of the voting power of shares of such class or series or classes or series present in person or represented by proxy at the meeting shall be the act of such class or series or classes or series present in person or represented by proxy at the meeting shall be the act of such class or series or classes or series present in person or represented by proxy at the meeting shall be the act of such class or series or classes or series at the meeting shall be the act of such class or series or series, except as otherwise provided by law, the certificate of incorporation, these bylaws or the rules of any applicable stock exchange. Voting at meetings of stockholders need not be by written ballot.

2.10 <u>Stockholder Action by Written Consent Without a Meeting</u>. Subject to the rights of the holders of the shares of any series of preferred stock or any other class of stock or series thereof that have been expressly granted the right to take action by written consent, any action required or permitted to be taken by the stockholders of the corporation must be effected at a duly called annual or special meeting of stockholders of the corporation and may not be effected by any consent in writing by such stockholders.

**2.11** <u>Record Dates</u>. In order that the corporation may determine the stockholders entitled to notice of any meeting of stockholders or any adjournment thereof, the board of directors may fix a record date, which record date shall not precede the date upon which the resolution fixing the record date is adopted by the board of directors and which record date shall not be more than 60 nor less than 10 days before the date of such meeting. If the board of directors so fixes a date, such date shall also be the record date for determining the stockholders entitled to vote at such meeting unless the board of directors determines, at the time it fixes such record date, that a later date on or before the date of the meeting shall be the date for making such determination.

If no record date is fixed by the board of directors, the record date for determining stockholders entitled to notice of and to vote at a meeting of stockholders shall be at the close of business on the day next preceding the day on which notice is given, or, if notice is waived, at the close of business on the day next preceding the day on which the meeting is held.

A determination of stockholders of record entitled to notice of or to vote at a meeting of stockholders shall apply to any adjournment of the meeting; *provided, however*, that the board of directors may fix a new record date for determination of stockholders entitled to vote at the adjourned meeting, and in such case shall also fix as the record date for stockholders entitled to notice of such adjourned meeting the same or an earlier date as that fixed for determination of stockholders entitled to vote in accordance with the provisions of Section 213 of the DGCL and this Section 2.11 at the adjourned meeting.

In order that the corporation may determine the stockholders entitled to receive payment of any dividend or other distribution or allotment of any rights or the stockholders entitled to exercise any rights in respect of any change, conversion or exchange of stock, or for the purpose of any other lawful action, the board of directors may fix a record date, which record date shall not precede the date upon which the resolution fixing the record date is adopted, and which record date shall be not more than 60 days prior to such action. If no record date is fixed, the record date for determining stockholders for any such purpose shall be at the close of business on the day on which the board of directors adopts the resolution relating thereto.

**2.12** Proxies. Each stockholder entitled to vote at a meeting of stockholders may authorize another person or persons to act for such stockholder by proxy authorized by an instrument in writing or by a transmission permitted by law filed in accordance with the procedure established for the meeting, but no such proxy shall be voted or acted upon after three years from its date, unless the proxy provides for a longer period. The revocability of a proxy that states on its face that it is irrevocable shall be governed by the provisions of Section 212 of the DGCL. A written proxy may be in the form of a telegram, cablegram, or other means of electronic transmission which sets forth or is submitted with information from which it can be determined that the telegram, cablegram, or other means of electronic transmission was authorized by the stockholder.

2.13 List of Stockholders Entitled to Vote. The officer who has charge of the stock ledger of the corporation shall prepare and make, at least 10 days before every meeting of stockholders, a complete list of the stockholders entitled to vote at the meeting; provided, however, if the record date for determining the stockholders entitled to vote is less than 10 days before the meeting date, the list shall reflect the stockholders entitled to vote as of the tenth day before the meeting date, arranged in alphabetical order, and showing the address of each stockholder and the number of shares registered in the name of each stockholder. The corporation shall not be required to include electronic mail addresses or other electronic contact information on such list. Such list shall be open to the examination of any stockholder for any purpose germane to the meeting for a period of at least 10 days prior to the meeting: (i) on a reasonably accessible electronic network, provided that the information required to gain access to such list is provided with the notice of the meeting, or (ii) during ordinary business hours, at the corporation's principal place of business. In the event that the corporation determines to make the list available on an electronic network, the corporation may take reasonable steps to ensure that such information is available only to stockholders of the corporation. If the meeting is to be held at a place, then a list of stockholders entitled to vote at the meeting shall be produced and kept at the time and place of the meeting during the whole time thereof, and may be examined by any stockholder who is present. If the meeting is to be held solely by means of remote communication, then such list shall also be open to the examination of any stockholder during the whole time of the meeting on a reasonably accessible electronic network, and the information required to access such list shall be provided with the notice of the meeting.

**2.14** Inspectors of Election. Before any meeting of stockholders, the board of directors shall appoint an inspector or inspectors of election to act at the meeting or its adjournment. The number of inspectors shall be either one (1) or three (3). If any person appointed as inspector fails to appear or fails or refuses to act, then the chairperson of the meeting may, and upon the request of any stockholder or a stockholder's proxy shall, appoint a person to fill that vacancy; provided further that, in any case, if no inspector or alternate is able to act at a meeting of stockholders, the chairperson of the meeting shall appoint at least one (1) inspector to act at the meeting.

Each inspector, before entering upon the discharge of his or her duties, shall take and sign an oath to execute faithfully the duties of inspector with strict impartiality and according to the best of his or her ability. Such inspectors shall:

(i) determine the number of shares outstanding and the voting power of each, the number of shares represented at the meeting, the existence of a quorum, and the authenticity, validity, and effect of proxies;

- (ii) receive votes, ballots or consents;
- (iii) hear and determine all challenges and questions in any way arising in connection with the right to vote;
- (iv) count and tabulate all votes or consents;
- (v) determine when the polls shall close;
- (vi) determine the result; and

(vii) do any other acts that may be proper to conduct the election or vote with fairness to all stockholders. The inspectors of election shall perform their duties impartially, in good faith, to the best of their ability and as expeditiously as is practical. If there are three (3) inspectors of election, the decision, act or certificate of a majority is effective in all respects as the decision, act or certificate of all. Any report or certificate made by the inspectors of election is *prima facie* evidence of the facts stated therein.

### **ARTICLE III - DIRECTORS**

**3.1** <u>Powers.</u> The business and affairs of the corporation shall be managed by or under the direction of the board of directors, except as may be otherwise provided in the DGCL or the certificate of incorporation.

**3.2** <u>Number of Directors</u>. The board of directors shall consist of one or more members, each of whom shall be a natural person. Unless the certificate of incorporation fixes the number of directors, the number of directors shall be determined from time to time by resolution of the board of directors. No reduction of the authorized number of directors shall have the effect of removing any director before that director's term of office expires.

**3.3** Election, Qualification and Term of Office of Directors. Except as provided in Section 3.4 of these bylaws, each director, including a director elected to fill a vacancy, shall hold office until the expiration of the term for which elected and until such director's successor is elected and qualified or until such director's earlier death, resignation or removal. Directors need not be stockholders unless so required by the certificate of incorporation or these bylaws. The certificate of incorporation or these bylaws may prescribe other qualifications for directors.

**3.4** <u>Resignation and Vacancies</u>. Any director may resign at any time upon notice given in writing or by electronic transmission to the corporation. A resignation is effective when the resignation is delivered unless the resignation specifies a later effective date or an effective date determined upon the happening of an event or events. A resignation which is conditioned upon the director failing to receive a specified vote for reelection as a director may provide that it is irrevocable. Unless otherwise provided in the certificate of incorporation or these bylaws, when one or more directors resign from the board of directors, effective at a future date, a majority of the directors then in office, including those who have so resigned, shall have power to fill such vacancy or vacancies, the vote thereon to take effect when such resignation or resignations shall become effective.

Unless otherwise provided in the certificate of incorporation or these bylaws, vacancies and newly created directorships resulting from any increase in the authorized number of directors elected by all of the stockholders having the right to vote as a single class shall be filled only by a majority of the directors then in office, although less than a quorum, or by a sole remaining director. If the directors are divided into classes, a person so elected by the directors then in office to fill a vacancy or newly created directorship shall hold office until the next election of the class for which such director shall have been chosen and until his or her successor shall have been duly elected and qualified.

If at any time, by reason of death or resignation or other cause, the corporation should have no directors in office, then any officer or any stockholder or an executor, administrator, trustee or guardian of a stockholder, or other fiduciary entrusted with like responsibility for the person or estate of a stockholder, may call a special meeting of stockholders in accordance with the provisions of the certificate of incorporation or these bylaws, or may apply to the Delaware Court of Chancery for a decree summarily ordering an election as provided in Section 211 of the DGCL.

If, at the time of filling any vacancy or any newly created directorship, the directors then in office constitute less than a majority of the whole board of directors (as constituted immediately prior to any such increase), the Court of Chancery may, upon application of any stockholder or stockholders holding at least 10% of the voting power of the voting stock at the time outstanding having the right to vote for such directors, summarily order an election to be held to fill any such vacancies or newly created directorships, or to replace the directors chosen by the directors then in office as aforesaid, which election shall be governed by the provisions of Section 211 of the DGCL as far as applicable.

**3.5** <u>Place of Meetings; Meetings by Telephone</u>. The board of directors may hold meetings, both regular and special, either within or outside the State of Delaware.

Unless otherwise restricted by the certificate of incorporation or these bylaws, members of the board of directors, or any committee designated by the board of directors, may participate in a meeting of the board of directors, or any committee, by means of conference telephone or other communications equipment by means of which all persons participating in the meeting can hear each other, and such participation in a meeting shall constitute presence in person at the meeting.

**3.6** <u>Regular Meetings</u>. Regular meetings of the board of directors may be held without notice at such time and at such place as shall from time to time be determined by the board of directors.

**3.7** <u>Special Meetings; Notice</u>. Special meetings of the board of directors for any purpose or purposes may be called at any time by the chairman of the board of directors, the chief executive officer, the president, the secretary or a majority of the authorized number of directors, at such times and places as he or she or they shall designate.

Notice of the time and place of special meetings shall be:

- (i) delivered personally by hand, by courier or by telephone;
- (ii) sent by United States first-class mail, postage prepaid;
- (iii) sent by facsimile; or
- (iv) sent by electronic mail,

directed to each director at that director's address, telephone number, facsimile number or electronic mail address, as the case may be, as shown on the corporation's records.

If the notice is (i) delivered personally by hand, by courier or by telephone, (ii) sent by facsimile or (iii) sent by electronic mail, it shall be delivered or sent at least 24 hours before the time of the holding of the meeting. If the notice is sent by United States mail, it shall be deposited in the United States mail at least four days before the time of the holding of the meeting. Any oral notice may be communicated to the director. The notice need not specify the place of the meeting (if the meeting is to be held at the corporation's principal executive office) nor the purpose of the meeting.

**3.8** <u>Quorum; Voting</u>. At all meetings of the board of directors, a majority of the total authorized number of directors shall constitute a quorum for the transaction of business. If a quorum is not present at any meeting of the board of directors, then the directors present thereat may adjourn the meeting from time to time, without notice other than announcement at the meeting, until a quorum is present. A meeting at which a quorum is initially present may continue to transact business notwithstanding the withdrawal of directors, if any action taken is approved by at least a majority of the required quorum for that meeting.

The vote of a majority of the directors present at any meeting at which a quorum is present shall be the act of the board of directors, except as may be otherwise specifically provided by statute, the certificate of incorporation or these bylaws.

If the certificate of incorporation provides that one or more directors shall have more or less than one vote per director on any matter, every reference in these bylaws to a majority or other proportion of the directors shall refer to a majority or other proportion of the votes of the directors.

**3.9** Board Action by Written Consent Without a Meeting. Unless otherwise restricted by the certificate of incorporation or these bylaws, any action required or permitted to be taken at any meeting of the board of directors, or of any committee thereof, may be taken without a meeting if all members of the board of directors or committee, as the case may be, consent thereto in writing or by electronic transmission and the writing or writings or electronic transmission or transmissions are filed with the minutes of proceedings of the board of directors or committee. Such filing shall be in paper form if the minutes are maintained in paper form and shall be in electronic form if the minutes are maintained in electronic form. Any person (whether or not then a director) may provide, whether through instruction to an agent or otherwise, that a consent to action will be effective at a future time (including a time determined upon the happening of an event), no later than 60 days after such instruction is given or such provision is made and such consent shall be deemed to have been given for purposes of this Section 3.9 at such effective time so long as such person is then a director and did not revoke the consent prior to such time. Any such consent shall be revocable prior to its becoming effective.

**3.10** <u>Fees and Compensation of Directors</u>. Unless otherwise restricted by the certificate of incorporation or these bylaws, the board of directors shall have the authority to fix the compensation of directors.

**3.11** <u>Removal of Directors</u>. Unless otherwise provided in the certificate of incorporation, any director may be removed from office by the stockholders of the corporation only for cause by a majority of the voting power of all the then outstanding shares then entitled to vote at the election of directors.

No reduction of the authorized number of directors shall have the effect of removing any director prior to the expiration of such director's term of office.

**3.12** Interested Directors. No contract or transaction between the Corporation and one or more of its directors or officers, or between the Corporation and any other corporation, partnership, association, or other organization in which one or more of its directors or officers are directors or officers, or have a financial interest, shall be void or voidable solely for this reason, or solely because the director or officer is present at or participates in the meeting of the Board of Directors or the committee thereof which authorizes the contract or transaction, or solely because his or their votes are counted for such purpose if: (i) the material facts as to his or their relationship or interest and as to the contract or transaction are disclosed or are known to the Board of Directors or the committee of a majority of the disinterested directors, even though the disinterested directors be less than a quorum; or (ii) the material facts as to his or their relationship or interest and as to the contract or transaction are disclosed or are known to the stockholders entitled to vote thereon, and the contract or transaction is specifically approved in good faith by vote of the stockholders; or (iii) the contract or transaction is fair as to the Corporation as of the time it is authorized, approved or ratified, by the Board of Directors, a committee thereof, or the stockholders. Interested directors may be counted in determining the presence of a quorum at a meeting of the Board of Directors or transaction.

## **ARTICLE IV - COMMITTEES**

4.1 <u>Committees of Directors</u>. The board of directors may designate one or more committees, each committee to consist of one or more of the directors of the corporation. The board of directors may designate one or more directors as alternate members of any committee, who may replace any absent or disqualified member at any meeting of the committee. In the absence or disqualification of a member of a committee, the member or members thereof present at any meeting and not disqualified from voting, whether or not such member or members constitute a quorum, may unanimously appoint another member of the board of directors to act at the meeting in the place of any such absent or disqualified member. Any such committee, to the extent provided in the resolution of the board of directors or in these bylaws, shall have and may exercise all the powers and authority of the board of directors in the management of the business and affairs of the corporation, and may authorize the seal of the corporation to be affixed to all papers that may require it; but no such committee shall have the power or authority to (i) approve or adopt, or recommend to the stockholders, any action or matter (other than the election or removal of directors) expressly required by the DGCL to be submitted to stockholders for approval, or (ii) adopt, amend or repeal any bylaw of the corporation.

**4.2** <u>Committee Minutes</u>. Each committee shall keep regular minutes of its meetings and report the same to the board of directors when required.

**4.3** <u>Meetings and Action of Committees</u>. Meetings and actions of committees shall be governed by, and held and taken in accordance with, the provisions of:

- (i) Section 3.5 (place of meetings and meetings by telephone);
- (ii) Section 3.6 (regular meetings);
- (iii) Section 3.7 (special meetings and notice);
- (iv) Section 3.8 (quorum; voting);
- (v) Section 7.5 (waiver of notice); and
- (vi) Section 3.9 (action without a meeting)

with such changes in the context of those bylaws as are necessary to substitute the committee and its members for the board of directors and its members. *However*:

(i) the time of regular meetings of committees may be determined either by resolution of the board of directors or by resolution of the committee;

(ii) special meetings of committees may also be called by resolution of the board of directors; and

(iii) notice of special meetings of committees shall also be given to all alternate members, who shall have the right to attend all meetings of the committee. The board of directors or a committee may adopt rules for the government of any committee not inconsistent with the provisions of these bylaws.

Any provision in the certificate of incorporation providing that one or more directors shall have more or less than one vote per director on any matter shall apply to voting in any committee or subcommittee, unless otherwise provided in the certificate of incorporation or these bylaws.

**4.4** <u>Subcommittees</u>. Unless otherwise provided in the certificate of incorporation, these bylaws or the resolutions of the board of directors designating the committee, a committee may create one or more subcommittees, each subcommittee to consist of one or more members of the committee, and delegate to a subcommittee any or all of the powers and authority of the committee.

# **ARTICLE V - OFFICERS**

**5.1** <u>Officers</u>. The officers of the corporation shall be a president and a secretary. The corporation may also have, at the discretion of the board of directors, a chairman of the board of directors, a vice chairman of the board of directors, a chief executive officer, a chief financial officer or treasurer, one or more vice presidents, one or more assistant vice presidents, one or more assistant treasurers, one or more assistant secretaries, and any such other officers as may be appointed in accordance with the provisions of these bylaws. Any number of offices may be held by the same person.

**5.2** <u>Appointment of Officers</u>. The board of directors shall appoint the officers of the corporation, except such officers as may be appointed in accordance with the provisions of Sections 5.3 of these bylaws, subject to the rights, if any, of an officer under any contract of employment.

**5.3** <u>Subordinate Officers</u>. The board of directors may appoint, or empower the chief executive officer or, in the absence of a chief executive officer, the president, to appoint, such other officers and agents as the business of the corporation may require. Each of such officers and agents shall hold office for such period, have such authority, and perform such duties as are provided in these bylaws or as the board of directors may from time to time determine.

5.4 <u>Removal and Resignation of Officers</u>. Subject to the rights, if any, of an officer under any contract of employment, any officer may be removed, either with or without cause, by an affirmative vote of the majority of the board of directors at any regular or special meeting of the board of directors or, except in the case of an officer chosen by the board of directors, by any officer upon whom such power of removal may be conferred by the board of directors.

Any officer may resign at any time by giving written notice to the corporation. Any resignation shall take effect at the date of the receipt of that notice or at any later time specified in that notice. Unless otherwise specified in the notice of resignation, the acceptance of the resignation shall not be necessary to make it effective. Any resignation is without prejudice to the rights, if any, of the corporation under any contract to which the officer is a party.

5.5 <u>Vacancies in Offices</u>. Any vacancy occurring in any office of the corporation shall be filled by the board of directors or as provided in Section 5.3.

**5.6** <u>Representation of Shares of Other Corporations</u>. The chairman of the board of directors, the president, any vice president, the treasurer, the secretary or assistant secretary of this corporation, or any other person authorized by the board of directors or the president or a vice president, is authorized to vote, represent, and exercise on behalf of this corporation all rights incident to any and all shares or other equity interests of any other corporation or corporations or entity or entities standing in the name of this corporation. The authority granted herein may be exercised either by such person directly or by any other person authorized to do so by proxy or power of attorney duly executed by such person having the authority.</u>

**5.7** <u>Authority and Duties of Officers</u>. All officers of the corporation shall respectively have such authority and perform such duties in the management of the business of the corporation as may be designated from time to time by the board of directors or the stockholders and, to the extent not so provided, as generally pertain to their respective offices, subject to the control of the board of directors.

### **ARTICLE VI - STOCK**

6.1 <u>Stock Certificates; Partly Paid Shares</u>. The shares of the corporation shall be represented by certificates, provided that the board of directors may provide by resolution or resolutions that some or all of any or all classes or series of its stock shall be uncertificated shares that may be evidenced by a book-entry system maintained by the registrar of such stock. Any such resolution shall not apply to shares represented by a certificate until such certificate is surrendered to the corporation. Every holder of stock represented by certificates shall be entitled to have a certificate signed by, or in the name of the corporation by the chairman of the board of directors or vice- chairman of the board of directors, or the president or a vice-president, and by the treasurer or an assistant treasurer, or the secretary or an assistant secretary of the corporation representing the number of shares registered in certificate form. Any or all of the signatures on the certificate may be a facsimile. In case any officer, transfer agent or registrar before such certificate is issued, it may be issued by the corporation with the same effect as if such person were such officer, transfer agent or registrar before such certificate is issued, it may be issued by the corporation when the same effect as if such person were such officer, transfer agent or registrar before such certificate is issue. The corporation shall not have power to issue a certificate in bearer form.

The corporation may issue the whole or any part of its shares as partly paid and subject to call for the remainder of the consideration to be paid therefor. Upon the face or back of each stock certificate issued to represent any such partly-paid shares, or upon the books and records of the corporation in the case of uncertificated partly-paid shares, the total amount of the consideration to be paid therefor and the amount paid thereon shall be stated. Upon the declaration of any dividend on fully-paid shares, the corporation shall declare a dividend upon partly-paid shares of the same class, but only upon the basis of the percentage of the consideration actually paid thereon.

Special Designation on Certificates. If the corporation is authorized to issue more than one class of stock or more 6.2 than one series of any class, then the powers, the designations, the preferences, and the relative, participating, optional or other special rights of each class of stock or series thereof and the qualifications, limitations or restrictions of such preferences and/or rights shall be set forth in full or summarized on the face or back of the certificate that the corporation shall issue to represent such class or series of stock; provided, however, that, except as otherwise provided in Section 202 of the DGCL, in lieu of the foregoing requirements there may be set forth on the face or back of the certificate that the corporation shall issue to represent such class or series of stock, a statement that the corporation will furnish without charge to each stockholder who so requests the powers, designations, preferences and relative, participating, optional or other special rights of each class of stock or series thereof and the qualifications, limitations or restrictions of such preferences and/or rights. Within a reasonable time after the issuance or transfer of uncertificated stock, the corporation shall send to the registered owner thereof a written notice containing the information required to be set forth or stated on certificates pursuant to this Section 6.2 or Sections 151, 156, 202(a) or 218(a) of the DGCL or with respect to this Section 6.2 a statement that the corporation will furnish without charge to each stockholder who so requests the powers, designations, preferences and relative, participating, optional or other special rights of each class of stock or series thereof and the qualifications, limitations or restrictions of such preferences and/or rights. Except as otherwise expressly provided by law, the rights and obligations of the holders of uncertificated stock and the rights and obligations of the holders of certificates representing stock of the same class and series shall be identical.

**6.3** <u>Lost Certificates</u>. Except as provided in this Section 6.3, no new certificates for shares shall be issued to replace a previously issued certificate unless the latter is surrendered to the corporation and cancelled at the same time. The corporation may issue a new certificate of stock or uncertificated shares in the place of any certificate theretofore issued by it, alleged to have been lost, stolen or destroyed, and the corporation may require the owner of the lost, stolen or destroyed certificate, or such owner's legal representative, to give the corporation a bond sufficient to indemnify it against any claim that may be made against it on account of the alleged loss, theft or destruction of any such certificate or the issuance of such new certificate or uncertificated shares.

**6.4** <u>Dividends</u>. The board of directors, subject to any restrictions contained in the certificate of incorporation or applicable law, may declare and pay dividends upon the shares of the corporation's capital stock.

The board of directors may set apart out of any of the funds of the corporation available for dividends a reserve or reserves for any proper purpose and may abolish any such reserve. Such purposes shall include but not be limited to equalizing dividends, repairing or maintaining any property of the corporation, and meeting contingencies.

6.5 <u>Transfer of Stock</u>. Transfers of record of shares of stock of the corporation shall be made only upon its books by the holders thereof, in person or by an attorney duly authorized, and, subject to Section 6.3 of these bylaws, if such stock is certificated, upon the surrender of a certificate or certificates for a like number of shares, properly endorsed or accompanied by proper evidence of succession, assignation or authority to transfer.

6.6 <u>Stock Transfer Agreements</u>. The corporation shall have power to enter into and perform any agreement with any number of stockholders of any one or more classes of stock of the corporation to restrict the transfer of shares of stock of the corporation of any one or more classes owned by such stockholders in any manner not prohibited by the DGCL.

6.7 <u>Registered Stockholders</u>. The corporation:

(i) shall be entitled to recognize the exclusive right of a person registered on its books as the owner of shares to receive dividends and to vote as such owner;

(ii) shall be entitled to hold liable for calls and assessments the person registered on its books as the owner of shares; and

(iii) shall not be bound to recognize any equitable or other claim to or interest in such share or shares on the part of another person, whether or not it shall have express or other notice thereof, except as otherwise provided by the laws of Delaware.

# ARTICLE VII - MANNER OF GIVING NOTICE AND WAIVER

7.1 <u>Notice of Stockholders' Meetings</u>. Notice of any meeting of stockholders, if mailed, is given when deposited in the United States mail, postage prepaid, directed to the stockholder at such stockholder's address as it appears on the corporation's records. An affidavit of the secretary or an assistant secretary of the corporation or of the transfer agent or other agent of the corporation that the notice has been given shall, in the absence of fraud, be *prima facie* evidence of the facts stated therein.

7.2 Notice by Electronic Transmission. Without limiting the manner by which notice otherwise may be given effectively to stockholders pursuant to the DGCL, the certificate of incorporation or these bylaws, any notice to stockholders given by the corporation under any provision of the DGCL, the certificate of incorporation or these bylaws shall be effective if given by a form of electronic transmission consented to by the stockholder to whom the notice is given. Any such consent shall be revocable by the stockholder by written notice to the corporation. Any such consent shall be deemed revoked if:

(i) the corporation is unable to deliver by electronic transmission two consecutive notices given by the corporation in accordance with such consent; and

(ii) such inability becomes known to the secretary or an assistant secretary of the corporation or to the transfer agent, or other person responsible for the giving of notice.

However, the inadvertent failure to treat such inability as a revocation shall not invalidate any meeting or other action.

Any notice given pursuant to the preceding paragraph shall be deemed given:

(i) if by facsimile telecommunication, when directed to a number at which the stockholder has consented to receive notice;

(ii) if by electronic mail, when directed to an electronic mail address at which the stockholder has consented to receive notice;

(iii) if by a posting on an electronic network together with separate notice to the stockholder of such specific posting, upon the later of (A) such posting and (B) the giving of such separate notice; and

(iv) if by any other form of electronic transmission, when directed to the stockholder.

An affidavit of the secretary or an assistant secretary or of the transfer agent or other agent of the corporation that the notice has been given by a form of electronic transmission shall, in the absence of fraud, be *prima facie* evidence of the facts stated therein.

An "electronic transmission" means any form of communication, not directly involving the physical transmission of paper, that creates a record that may be retained, retrieved, and reviewed by a recipient thereof, and that may be directly reproduced in paper form by such a recipient through an automated process.

Notice by a form of electronic transmission shall not apply with respect to Sections 164, 296, 311, 312 or 324 of the DGCL.

**7.3** Notice to Stockholders Sharing an Address. Except as otherwise prohibited under the DGCL, without limiting the manner by which notice otherwise may be given effectively to stockholders, any notice to stockholders given by the corporation under the provisions of the DGCL, the certificate of incorporation or these bylaws shall be effective if given by a single written notice to stockholders who share an address if consented to by the stockholders at that address to whom such notice is given. Any such consent shall be revocable by the stockholder by written notice to the corporation. Any stockholder who fails to object in writing to the corporation, within 60 days of having been given written notice by the corporation of its intention to send the single notice, shall be deemed to have consented to receiving such single written notice.

7.4 <u>Notice to Person with Whom Communication is Unlawful</u>. Whenever notice is required to be given, under the DGCL, the certificate of incorporation or these bylaws, to any person with whom communication is unlawful, the giving of such notice to such person shall not be required and there shall be no duty to apply to any governmental authority or agency for a license or permit to give such notice to such person. Any action or meeting which shall be taken or held without notice to any such person with whom communication is unlawful shall have the same force and effect as if such notice had been duly given. In the event that the action taken by the corporation is such as to require the filing of a certificate under the DGCL, the certificate shall state, if such is the fact and if notice is required, that notice was given to all persons entitled to receive notice except such persons with whom communication is unlawful.

7.5 <u>Waiver of Notice</u>. Whenever notice is required to be given under any provision of the DGCL, the certificate of incorporation or these bylaws, a written waiver, signed by the person entitled to notice, or a waiver by electronic transmission by the person entitled to notice, whether before or after the time of the event for which notice is to be given, shall be deemed equivalent to notice. Attendance of a person at a meeting shall constitute a waiver of notice of such meeting, except when the person attends a meeting for the express purpose of objecting at the beginning of the meeting, to the transaction of any business because the meeting is not lawfully called or convened. Neither the business to be transacted at, nor the purpose of, any regular or special meeting of the stockholders need be specified in any written waiver of notice or any waiver by electronic transmission unless so required by the certificate of incorporation or these bylaws.

### ARTICLE VIII - PPP INDEMNIFICATION

8.1 Indemnification of Directors and Officers in Third Party Proceedings. Subject to the other provisions of this Article VIII, the corporation shall indemnify, to the fullest extent permitted by the DGCL, as now or hereinafter in effect, any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action, suit or proceeding, whether civil, criminal, administrative, arbitrative, investigative or other (a "Proceeding") (other than an action by or in the right of the corporation) by reason of the fact that such person is or was a director or officer of the corporation, or is or was a director or officer of the corporation serving at the request of the corporation as a director, officer, employee, member, manager, trustee or agent of another corporation, limited liability company, partnership, joint venture, trust or other enterprise, against expenses (including attorneys' fees), damages, losses, liabilities, judgments, fines, penalties, ERISA excise taxes, amounts paid or payable in settlement, any federal, state, local or foreign taxes, and all other charges paid or payable by such person in connection with investigating, defending, being a witness in or participating in, or preparing to defend, be a witness or participate in, any Proceeding if such person acted in good faith and in a manner such person reasonably believed to be in or not opposed to the best interests of the corporation, and, with respect to any criminal action or proceeding, had no reasonable cause to believe such person's conduct was unlawful. The termination of any Proceeding by judgment, order, settlement, conviction, or upon a plea of nolo contendere or its equivalent, shall not, of itself, create a presumption that the person did not act in good faith and in a manner which such person reasonably believed to be in or not opposed to the best interests of the corporation, and, with respect to any criminal action or proceeding, had no reasonable cause to believe that such person's conduct was unlawful.

**8.2** Indemnification of Directors and Officers in Actions by or in the Right of the Corporation. Subject to the other provisions of this Article VIII, the corporation shall indemnify, to the fullest extent permitted by the DGCL, as now or hereinafter in effect, any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action or suit by or in the right of the corporation to procure a judgment in its favor by reason of the fact that such person is or was a director or officer of the corporation serving at the request of the corporation as a director, officer, employee, member, manager, trustee or agent of another corporation, limited liability company, partnership, joint venture, trust or other enterprise against expenses (including attorneys' fees), damages, losses, liabilities, judgments, fines, penalties, ERISA excise taxes, amounts paid or payable in settlement, any federal, state, local or foreign taxes, and all other charges paid or payable by such person reasonably believed to be in or not opposed to the best interests of the corporation; except that no indemnification shall be made in respect of any claim, issue or matter as to which such person shall have been adjudged to be liable to the corporation unless and only to the extent that the Court of Chancery or the court in which such action or suit was brought shall determine upon application that, despite the adjudication of liability but in view of all the circumstances of the case, such person is fairly and reasonably entitled to indemnify for such expenses which the Court of Chancery or such other court shall deem proper.

Successful Defense. To the extent that a present or former director or officer of the corporation has been successful 83 on the merits or otherwise in defense of any action, suit or proceeding described in Section 8.1 or Section 8.2, or in defense of any claim, issue or matter therein, such person shall be indemnified against expenses (including attorneys' fees), damages, losses, liabilities, judgments, fines, penalties, ERISA excise taxes, amounts paid or payable in settlement, any federal, state, local or foreign taxes, and all other charges paid or payable by such person in connection therewith.

Indemnification of Others. Subject to the other provisions of this Article VIII, the corporation shall have power to 84 indemnify its employees and agents to the extent not prohibited by the DGCL or other applicable law. The board of directors shall have the power to delegate to such person or persons as the board shall in its discretion determine the determination of whether employees or agents shall be indemnified.

Advance Payment of Expenses. Expenses (including attorneys' fees) actually and reasonably incurred by an officer 8.5 or director of the corporation in defending any Proceeding shall be paid by the corporation in advance of the final disposition of such Proceeding upon receipt of a written request therefor (together with documentation reasonably evidencing such expenses) and an undertaking by or on behalf of the person to repay such amounts if it shall ultimately be determined that the person is not entitled to be indemnified under this Article VIII or the DGCL. Such expenses (including attorneys' fees) incurred by former directors and officers or other employees and agents of the corporation or by persons serving at the request of the corporation as directors, officers, employees or agents of another corporation, partnership, joint venture, trust or other enterprise may be so paid upon such terms and conditions, if any, as the corporation deems appropriate. The right to advancement of expenses shall not apply to any claim for which indemnity is excluded pursuant to these bylaws, but shall apply to any Proceeding referenced in Section 8.6(ii) or 8.6(iii) prior to a determination that the person is not entitled to be indemnified by the corporation.

Limitation on Indemnification. Subject to the requirements in Section 8.3 and the DGCL, the corporation shall not 8.6 be obligated to indemnify any person pursuant to this Article VIII in connection with any Proceeding (or any part of any Proceeding):

for which payment has actually been made to or on behalf of such person under any statute, insurance (i) policy, indemnity provision, vote or otherwise, except with respect to any excess beyond the amount paid; f

(ii) or the disgorgement of profits arising from the purchase or sale by such person of securities of the corporation in violation of Section 16(b) of the 1934 Act, or any similar successor statute, state law or other law;

for any reimbursement to the corporation of any bonus or other incentive-based or equity-based (iii) compensation previously received by such person or payment of any profits realized by such person from the sale of securities of the corporation, as required in each case under the 1934 Act (including any such reimbursements under Section 304 of the Sarbanes-Oxley Act of 2002 in connection with an accounting restatement of the corporation or the payment to the corporation of profits arising from the purchase or sale by such person of securities in violation of Section 306 of the Sarbanes-Oxley Act);

initiated by such person, including any Proceeding against the corporation or its directors, officers, (iv) employees, or other indemnitees and not by way of defense, except (a) proceedings regarding indemnification for expenses in enforcing rights (unless a court of competent jurisdiction determines that each of the material assertions made by such person in such proceeding was not made in good faith or was frivolous); or (b) where the corporation has joined in or the board has consented to the initiation of such proceedings; or

if a final decision by a court of competent jurisdiction determines that such indemnification is prohibited (v) by applicable law; provided, however, that if any provision or provisions of this Article VIII shall be held to be invalid, illegal or unenforceable for any reason whatsoever: (1) the validity, legality and enforceability of the remaining provisions of this Article VIII (including, without limitation, each portion of any paragraph or clause containing any such provision held to be invalid, illegal or unenforceable, that is not itself held to be invalid, illegal or unenforceable) shall not in any way be affected or impaired thereby; and (2) to the fullest extent possible, the provisions of this Article VIII (including, without limitation, each such portion of any paragraph or clause containing any such provision held to be invalid, illegal or unenforceable) shall be construed so as to give effect to the intent manifested by the provision held invalid, illegal or unenforceable.

8.7 Determination; Claim. The corporation shall indemnify any claimant person against any and all expenses that are incurred by such person in connection with any action for indemnification or advancement of expenses from the corporation under this Article VIII, to the extent such person is successful in such action, and to the extent not prohibited by law. In any such suit, the corporation shall, to the fullest extent not prohibited by law, have the burden of proving that the claimant is not entitled to the requested indemnification or advancement of expenses.

**8.8** <u>Non-Exclusivity of Rights</u>. The indemnification and advancement of expenses provided by, or granted pursuant to, this Article VIII shall not be deemed exclusive of any other rights to which those seeking indemnification or advancement of expenses may be entitled under the certificate of incorporation or any statute, bylaw, agreement, vote of stockholders or disinterested directors or otherwise, both as to action in such person's official capacity and as to action in another capacity while holding such office. The corporation is specifically authorized to enter into individual contracts with any or all of its directors, officers, employees or agents respecting indemnification and advancement of expenses, to the fullest extent not prohibited by the DGCL or other applicable law.

**8.9** <u>Insurance</u>. The corporation may purchase and maintain insurance on behalf of any person who is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise against any liability asserted against such person and incurred by such person in any such capacity, or arising out of such person's status as such, whether or not the corporation would have the power to indemnify such person against such liability under the provisions of the DGCL.

**8.10** <u>Survival</u>. The rights to indemnification and advancement of expenses conferred by this Article VIII shall continue as to a person who has ceased to be a director, officer, employee or agent and shall inure to the benefit of the heirs, executors and administrators of such a person.

**8.11** Effect of Repeal or Modification. A right to indemnification or to advancement of expenses arising under a provision of the certificate of incorporation or a bylaw shall not be eliminated or impaired by an amendment to the certificate of incorporation or these bylaws after the occurrence of the act or omission that is the subject of the civil, criminal, administrative or investigative action, suit or proceeding for which indemnification or advancement of expenses is sought, unless the provision in effect at the time of such act or omission explicitly authorizes such elimination or impairment after such action or omission has occurred.

**8.12** <u>Certain Definitions</u>. For purposes of this Article VIII, references to the "**corporation**" shall include, in addition to the resulting corporation, any constituent corporation (including any constituent of a constituent) absorbed in a consolidation or merger which, if its separate existence had continued, would have had power and authority to indemnify its directors, officers, employees or agents, so that any person who is or was a director, officer, employee or agent of such constituent corporation, or is or was serving at the request of such constituent corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise, shall stand in the same position under the provisions of this Article VIII with respect to the resulting or surviving corporation as such person would have with respect to such constituent corporation if its separate existence had continued. For purposes of this Article VIII, references to "**other enterprises**" shall include any excise taxes assessed on a person with respect to an employee benefit plan; and references to "**serving at the request of the corporation**" shall include any service as a director, officer, employee or agent of the corporation which imposes duties on, or involves services by, such director, officer, employee or agent with respect to an employee benefit plan, its participants or beneficiaries; and a person who acted in good faith and in a manner such person reasonably believed to be in the interest of the corporation" as referred to in this Article VIII.

### **ARTICLE IX - GENERAL MATTERS**

9.1 <u>Execution of Corporate Contracts and Instruments</u>. Except as otherwise provided by law, the certificate of incorporation or these bylaws, the board of directors may authorize any officer or officers, or agent or agents, to enter into any contract or execute any document or instrument in the name of and on behalf of the corporation; such authority may be general or confined to specific instances. Unless so authorized or ratified by the board of directors or within the agency power of an officer, no officer, agent or employee shall have any power or authority to bind the corporation by any contract or engagement or to pledge its credit or to render it liable for any purpose or for any amount.

**9.2** <u>Fiscal Year</u>. The fiscal year of the corporation shall be fixed by resolution of the board of directors and may be changed by the board of directors.

**9.3** Seal. The corporation may adopt a corporate seal, which shall be adopted and which may be altered by the board of directors. The corporation may use the corporate seal by causing it or a facsimile thereof to be impressed or affixed or in any other manner reproduced.

**9.4** <u>Checks, Notes, Drafts, Etc</u>. All checks, notes, drafts or other orders for the payment of money of the Corporation shall be signed, endorsed or accepted in the name of the corporation by such officer, officers, person or persons as from time to time may be designated by the board of directors or by an officer or officers authorized by the board of Directors to make such designation.

**9.5** <u>Conflict With Applicable Law or Certificate of Incorporation</u>. These bylaws are adopted subject to any applicable law and the certificate of incorporation. Whenever these bylaws may conflict with any applicable law or the certificate of incorporation, such conflict shall be resolved in favor of such law or the certificate of incorporation.

**9.6** <u>Construction; Definitions</u>. Unless the context requires otherwise, the general provisions, rules of construction, and definitions in the DGCL shall govern the construction of these bylaws. Without limiting the generality of this provision, the singular number includes the plural, the plural number includes the singular, and the term "**person**" includes both a corporation and a natural person.

**9.7** Selection of Forum. Unless the Corporation consents in writing to the selection of an alternative forum, the Court of Chancery of the State of Delaware shall be the sole and exclusive forum for (i) any derivative action or proceeding brought on behalf of the Corporation, (ii) any action asserting a claim of breach of a fiduciary duty owed by any director, officer or other employee of the Corporation to the Corporation or the Corporation's stockholders, (iii) any action asserting a claim arising pursuant to any provision of the DGCL, or (iv) any action asserting a claim governed by the internal affairs doctrine. Any person or entity purchasing or otherwise acquiring any interest in shares of capital stock of the Corporation shall be deemed to have notice of and consented to the provisions of this Article IX, Section 9.7.

# **ARTICLE X - AMENDMENTS**

These bylaws may be adopted, amended or repealed by the stockholders entitled to vote; provided, however, that the affirmative vote of the holders of at least a majority of the combined voting power of the then outstanding shares of capital stock of all classes and series of the Corporation entitled to vote generally in the election of directors, voting as a single class, shall be required for the stockholders of the corporation to alter, amend or repeal, or adopt any provision of these bylaws. The board of directors shall also have the power to adopt, amend or repeal bylaws.

## VOLITIONRX LIMITED CERTIFICATE OF AMENDMENT AND RESTATEMENT OF BYLAWS

The undersigned hereby certifies that he is the duly elected, qualified, and acting Secretary of VolitionRx Limited, a Delaware corporation, and that the foregoing bylaws were amended and restated on August 18, 2015 by the corporation's board of directors and approved by vote of the corporation's stockholders on October 30, 2015.

IN WITNESS WHEREOF, the undersigned has hereunto set his hand this day of October 30, 2015.

<u>/s/ Rodney Rootsaert</u> Rodney Rootsaert, Secretary

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#### VOLITIONRX LIMITED 2015 STOCK INCENTIVE PLAN As adopted by the Board of Directors on August 18, 2015

### ARTICLE 1 PURPOSES OF THE PLAN

**1.1 Purposes.** The purposes of the Plan are (a) to enhance the Company's ability to attract and retain the services of qualified employees, officers, directors, consultants and other service providers upon whose judgment, initiative and efforts the successful conduct and development of the Company's business largely depends and (b) to provide additional incentives to such persons or entities to devote their utmost effort and skill to the advancement and betterment of the Company, by providing them an opportunity to participate in the ownership of the Company and thereby have an interest in the success and increased value of the Company.

### ARTICLE 2 DEFINITIONS

For purposes of this Plan, terms not otherwise defined herein will have the meanings indicated below:

**2.1** *"Affiliate"* means (i) any entity that, directly or indirectly, is controlled by, controls or is under common control with, the Company and (ii) any entity in which the Company has a significant equity interest, in either case as determined by the Committee, whether now or hereafter existing.

**2.2** *"Award*" means any award under the Plan, including any Option, Restricted Stock, Stock Bonus, Stock Appreciation Right, Restricted Stock Unit or Performance Awards.

**2.3** *"Award Agreement"* means, with respect to each Award, the written or electronic agreement between the Company and the Participant setting forth the terms and conditions of the Award, and country-specific appendix thereto for grants to non-U.S. Participants, which will be in substantially a form (which need not be the same for each Participant) that the Committee (or in the case of Award agreements that are not used for Insiders, the Committee's delegate(s)) has from time to time approved, and will comply with and be subject to the terms and conditions of this Plan.

2.4 *"Board*" means the Board of Directors of the Company.

"Cause" means termination of Service because of (a) any willful, material violation by the Participant of any law or 2.5 regulation applicable to the business of the Company or a Parent, Subsidiary or Affiliate of the Company, the Participant's conviction for or guilty plea to a felony or a crime involving moral turpitude or any willful perpetration by the Participant of a common law fraud; (b) the Participant's commission of an act of personal dishonesty which involves personal profit in connection with the Company or any other entity having a business relationship with the Company; (c) any material breach by the Participant of any provision of any agreement or understanding between the Company or any Parent, Subsidiary or Affiliate of the Company and the Participant regarding the terms of the Participant's Service, including the willful and continued failure or refusal of the Participant to perform the material duties required of such Participant as an Employee, Officer, Director, Non-Employee Director or Consultant of the Company or a Parent, Subsidiary or Affiliate of the Company, other than as a result of having a Disability or a breach of any applicable invention assignment and confidentiality agreement or similar agreement between the Company or a Parent, Subsidiary or Affiliate of the Company and the Participant; (d) Participant's disregard of the policies of the Company or any Parent, Subsidiary or Affiliate of the Company so as to cause loss, damage or injury to the property, reputation or employees of the Company or a Parent, Subsidiary or Affiliate of the Company or (e) any other misconduct by the Participant which is materially injurious to the financial condition or business reputation of or is otherwise materially injurious to the Company or a Parent, Subsidiary or Affiliate of the Company. The determination as to whether a Participant is being terminated for Cause will be made in good faith by the Company and will be final and binding on the Participant. The foregoing definition does not in any way limit the Company's ability to terminate a Participant's employment or consulting relationship at any time as provided in Section 13.11, and the term "Company" will be interpreted to include any Affiliate, Subsidiary or Parent, as appropriate. Notwithstanding the foregoing, the foregoing definition of "Cause" may, in part or in whole, be modified or replaced in each individual employment agreement or Award Agreement with any Participant, provided that such document supersedes the definition provided in this Section 2.5.

**2.6** *"Code"* means the United States Internal Revenue Code of 1986, as amended, and the regulations promulgated thereunder.

**2.7** *"Committee"* means the Compensation Committee of the Board or those persons to whom administration of the Plan or part of the Plan has been delegated as permitted by law.

2.8 *"Common Stock"* means the Common Stock of the Company.

2.9 "Company" means VolitionRx Limited or any successor corporation.

**2.10** *"Consultant"* means any natural person, including an advisor or independent contractor, engaged by the Company or a Parent, Subsidiary or Affiliate to render services to such entity.

"Corporate Transaction" means the occurrence of any of the following events: (a) any "Person" (as such term is 2.11 used in Sections 13(d) and 14(d) of the Exchange Act) becomes the "beneficial owner" (as defined in Rule 13d-3 of the Exchange Act), directly or indirectly, of securities of the Company representing more than fifty percent (50%) of the total voting power represented by the Company's then-outstanding voting securities; provided, however, that for purposes of this clause (a) the acquisition of additional securities by any one Person who is considered to own more than fifty percent (50%) of the total voting power of the securities of the Company will not be considered a Corporate Transaction; (b) the consummation of the sale or disposition by the Company of all or substantially all of the Company's assets; (c) the consummation of a merger or consolidation of the Company with any other corporation, other than a merger or consolidation which would result in the voting securities of the Company outstanding immediately prior thereto continuing to represent (either by remaining outstanding or by being converted into voting securities of the surviving entity or its parent) at least fifty percent (50%) of the total voting power represented by the voting securities of the Company or such surviving entity or its parent outstanding immediately after such merger or consolidation; (d) any other transaction which qualifies as a "corporate transaction" under Section 424(a) of the Code wherein the stockholders of the Company give up all of their equity interest in the Company (except for the acquisition, sale or transfer of all or substantially all of the outstanding shares of the Company) or (e) a change in the effective control of the Company that occurs on the date that a majority of members of the Board is replaced during any twelve (12) month period by member of the Board whose appointment or election is not endorsed by as majority of the members of the Board prior to the date of the appointment or election; provided, however, that for purposes of this clause (e), if any Person is considered to be in effective control of the Company, the acquisition of additional control of the Company by the same Person will not be considered a Corporate Transaction. For purposes of this definition, Persons will be considered to be acting as a group if they are owners of a corporation that enters into a merger, consolidation, purchase or acquisition of stock or similar business transaction with the Company. Notwithstanding the foregoing, to the extent that any amount constituting deferred compensation (as defined in Section 409A of the Code) would become payable under this Plan by reason of a Corporate Transaction, such amount will become payable only if the event constituting a Corporate Transaction would also qualify as a change in ownership or effective control of the Company or a change in the ownership of a substantial portion of the assets of the Company, each as defined within the meaning of Section 409A of the Code, as it has been and may be amended from time to time, and any proposed or final Treasury Regulations and IRS guidance that has been promulgated or may be promulgated thereunder from time to time.

2.12 "*Director*" means a member of the Board.

**2.13** "*Disability*" means in the case of incentive stock options, total and permanent disability as defined in Section 22(e) (3) of the Code and in the case of other Awards, that the Participant is unable to engage in any substantial gainful activity by reason of any medically determinable physical or mental impairment that can be expected to result in death or can be expected to last for a continuous period of not less than 12 months.

**2.14** "*Dividend Equivalent Right*" means the right of a Participant, granted at the discretion of the Committee or as otherwise provided by the Plan, to receive a credit for the account of such Participant in an amount equal to the cash, stock or other property dividends in amounts equal equivalent to cash, stock or other property dividends for each Share represented by an Award held by such Participant.

**2.15** *"Effective Date"* means the date on which the Plan is approved by the affirmative vote of the holders of a majority of the Shares of Common Stock of the Company which are entitled to be voted and are voted on the proposal to approve this Plan (and for such purpose, any "broker non-votes" will not be counted as being entitled to be voted on that proposal, but will be counted for quorum purposes).

**2.16** *"Employee"* means any person, including Officers and Directors, providing services as an employee to the Company or any Parent, Subsidiary or Affiliate. Neither service as a Director nor payment of a director's fee by the Company will be sufficient to constitute "employment" by the Company.

2.17 "Exchange Act" means the United States Securities Exchange Act of 1934, as amended.

**2.18** *"Exercise Price"* means, with respect to an Option, the price at which a holder may purchase the Shares issuable upon exercise of an Option and with respect to a SAR, the price at which the SAR is granted to the holder thereof.

**2.19** *"Fair Market Value"* means, as of any date, the value of a share of the Company's Common Stock determined as follows: (a) if such Common Stock is publicly traded and is then listed on a national securities exchange, its closing price on the date of determination on the principal national securities exchange on which the Common Stock is listed or admitted to trading as reported in The Wall Street Journal or such other source as the Committee deems reliable; (b) if such Common Stock is publicly traded but is neither listed nor admitted to trading on a national securities exchange, the average of the closing bid and asked prices on the date of determination as reported in The Wall Street Journal or such other source as the Committee deems reliable or (c) if none of the foregoing is applicable, by the Board or the Committee in good faith using any reasonable method of evaluation in a manner consistent with the valuation principles under Section 409A of the Code.

**2.20** *"Insider"* means an officer or director of the Company or any other person whose transactions in the Company's Common Stock are subject to Section 16 of the Exchange Act.

2.21 "IRS" means the United States Internal Revenue Service.

2.22 *"Non-Employee Director"* means a Director who is not an Employee of the Company or any Parent or Subsidiary.

2.23 "Option" means an award of an option to purchase Shares pursuant to Article 4 or Article 10.

**2.24** "*Parent*" means any corporation (other than the Company) in an unbroken chain of corporations ending with the Company if each of such corporations other than the Company owns stock possessing fifty percent (50%) or more of the total combined voting power of all classes of stock in one of the other corporations in such chain.

2.25 "Participant" means a person who holds an Award under this Plan.

2.26 "Performance Award" means cash or stock granted pursuant to Article 9 or Article 10.

"Performance Factors" means any of the factors selected by the Committee and specified in an Award Agreement, 2.27 from among the following objective measures, either individually, alternatively or in any combination, applied to the Company as a whole or any business unit or Subsidiary, either individually, alternatively or in any combination, on a GAAP or non-GAAP basis, and measured, to the extent applicable on an absolute basis or relative to a pre-established target or index or group of comparator companies, to determine whether the performance goals established by the Committee with respect to applicable Awards have been satisfied: (a) profit before tax; (b) billings; (c) revenue; (d) net revenue; (e) earnings (which may include earnings before interest; earnings before interest and taxes; earnings before interest, taxes and depreciation; earnings before interest, taxes, depreciation and amortization; net earnings and other metrics based on or derived from earnings); (f) operating income; (g) operating margin; (h) operating profit; (i) controllable operating profit; (j) net operating profit; (k) net profit; (l) gross margin; (m) operating expenses or operating expenses as a percentage of revenue; (n) net income; (o) earnings per share; (p) total stockholder return; (q) market share; (r) return on assets or net assets; (s) the Company's stock price; (t) growth in stockholder value relative to a pre-determined index; (u) return on equity; (v) return on invested capital; (w) cash flow (including free cash flow or operating cash flows); (x) cash conversion cycle; (y) economic value added; (z) individual confidential business objectives; (aa) contract awards or backlog; (bb) overhead or other expense reduction; (cc) credit rating; (dd) strategic plan development and implementation; (ee) succession plan development and implementation; (ff) improvement in workforce diversity; (gg) customer indicators; (hh) new product invention or innovation; (ii) attainment of research and development milestones; (jj) improvements in productivity; (kk) bookings and (ll) attainment of objective operating goals and employee metrics. The Committee may provide for one or more adjustments to the Performance Factors in accordance with Section 11.3.

**2.28** *"Performance Period"* means the period of service determined by the Committee, not to exceed five (5) years, during which years of service or performance is to be measured for the Award.

2.29 "Performance Share" means an Award granted pursuant to Article 9 or Article 10.

**2.30** "*Permitted Transferee*" means any child, stepchild, grandchild, parent, stepparent, grandparent, spouse, former spouse, sibling, niece, nephew, mother-in-law, father-in-law, son-in-law, daughter-in-law, brother-in-law or sister-in-law (including adoptive relationships) of the Employee, any person sharing the Employee's household (other than a tenant or employee), a trust in which these persons (or the Employee) have more than 50% of the beneficial interest, a foundation in which these persons (or the Employee) control the management of assets, and any other entity in which these persons (or the Employee) own more than 50% of the voting interests.

2.31 "Plan" means this VolitionRx Limited 2015 Stock Incentive Plan.

**2.32** *"Purchase Price"* means the price to be paid for Shares acquired under the Plan, other than Shares acquired upon exercise of an Option or SAR.

**2.33** *"Restricted Stock Award"* means an award of Shares pursuant to Article 5 or Article 10 or issued pursuant to the early exercise of an Option.

2.34 *"Restricted Stock Unit"* means an Award granted pursuant to Article 8 or Article 10.

- 2.35 "SEC" means the United States Securities and Exchange Commission.
- 2.36 "Securities Act" means the United States Securities Act of 1933, as amended.

"Service" means service as an Employee, Consultant, Director or Non-Employee Director, to the Company or a 2.37 Parent, Subsidiary or Affiliate, subject to such further limitations as may be set forth in the Plan or the applicable Award Agreement. An Employee will not be deemed to have ceased to provide Service in the case of (a) sick leave; (b) military leave or (c) any other leave of absence approved by the Company; provided, that such leave is for a period of not more than 90 days (x) unless reemployment upon the expiration of such leave is guaranteed by contract or statute or (v) unless provided otherwise pursuant to formal policy adopted from time to time by the Company and issued and promulgated to employees in writing. In the case of any Employee on an approved leave of absence or a reduction in hours worked (for illustrative purposes only, a change in schedule from that of full-time to part-time), the Committee may make such provisions respecting suspension of or modification of vesting of the Award while on leave from the employ of the Company or a Parent, Subsidiary or Affiliate or during such change in working hours as it may deem appropriate, except that in no event may an Award be exercised after the expiration of the term set forth in the applicable Award Agreement. In the event of military leave, if required by applicable laws, vesting will continue for the longest period that vesting continues under any other statutory or Company approved leave of absence and, upon a Participant's returning from military leave (under conditions that would entitle him or her to protection upon such return under the Uniform Services Employment and Reemployment Rights Act), he or she will be given vesting credit with respect to Awards to the same extent as would have applied had the Participant continued to provide services to the Company throughout the leave on the same terms as he or she was providing services immediately prior to such leave. An employee will have terminated employment as of the date he or she ceases to provide services (regardless of whether the termination is in breach of local employment laws or is later found to be invalid) and employment will not be extended by any notice period or garden leave mandated by local law, provided however, that a change in status from an employee to a consultant or advisor will not terminate the service provider's Service, unless determined by the Committee, in its discretion. The Committee will have sole discretion to determine whether a Participant has ceased to provide Services and the effective date on which the Participant ceased to provide Services.

2.38 "Shares" means shares of the Company's Common Stock and the common stock of any successor entity.

2.39 "Stock Appreciation Right" means an Award granted pursuant to Article 7 or Article 10.

2.40 "Stock Bonus" means an Award granted pursuant to Article 6 or Article 10.

**2.41** "*Subsidiary*" means any corporation (other than the Company) in an unbroken chain of corporations beginning with the Company if each of the corporations other than the last corporation in the unbroken chain owns stock possessing fifty percent (50%) or more of the total combined voting power of all classes of stock in one of the other corporations in such chain.

2.42 "Treasury Regulations" means regulations promulgated by the United States Treasury Department.

**2.43** *"Unvested Shares"* means Shares that have not yet vested or are subject to a right of repurchase in favor of the Company (or any successor thereto).

#### ARTICLE 3 PLAN SHARES

**3.1** Number of Shares Available. Subject to adjustment as provided in Section 3.5, the total number of Shares reserved and available for grant and issuance pursuant to this Plan is one million (1,000,000) Shares.

**3.2** Lapsed, Returned Awards. If any Shares subject to an Award are forfeited, an Award expires or otherwise terminates without issuance of Shares or an Award is settled for cash (in whole or in part) or otherwise does not result in the issuance of all or a portion of the Shares subject to such Award (including on payment in Shares on exercise of a SAR), such Shares shall, to the extent of such forfeiture, expiration, termination, cash settlement or non-issuance, be added to the Shares available for grant under the Plan. If (i) any Award granted hereunder is exercised through the tendering of Shares (either actually or by attestation) or by the withholding of Shares (either actually or by attestation) or by the withholding of Shares (either actually or by attestation) or by the withholding of Shares so tendered or withheld shall be added to the Shares available for grant under the Plan on a one-for-one basis.

**3.3 Minimum Share Reserve.** At all times the Company will reserve and keep available a sufficient number of Shares as will be required to satisfy the requirements of all outstanding Awards granted under this Plan.

**3.4 Limitations; Eligibility**. No more than one million (1,000,000) Shares will be issued pursuant to the exercise of ISOs. ISOs may be granted only to Employees. All other Awards may be granted to Employees, Consultants, Directors and Non-Employee Directors; provided such Consultants, Directors and Non-Employee Directors render bona fide services not in connection with the offer and sale of securities in a capital-raising transaction. Subject to adjustment as provided in Section 3.5, no Participant may be granted (a) Options or SARs during any 12-month period with respect to more than five hundred thousand (500,000) Shares and (b) Restricted Stock Awards, Restricted Stock Unit Awards, Performance Awards or Stock Bonus Awards during any calendar year that are intended to comply with the performance-based exception under Section 162(m) of the Code and are denominated in Shares under which more than five hundred thousand (500,000) Shares may be earned for each twelve (12) months in the vesting period or Performance Period. Each of the limitations in the preceding sentence of this Section 3.4 shall be multiplied by two (2) with respect to Awards granted to a Participant during the first calendar year in which the Participant commences employment with the Company and its Subsidiaries. If an Award is cancelled, the cancelled Award shall continue to be counted toward the applicable limitation in this Section 3.4.

**3.5** Adjustment of Shares. If the number of outstanding Shares is changed by a stock dividend, extraordinary dividends or distributions (whether in cash, shares or other property, other than a regular cash dividend), recapitalization, stock split, reverse stock split, subdivision, combination, reclassification, spin-off or similar change in the capital structure of the Company, then (a) the number of Shares reserved for issuance and future grant under the Plan set forth in Section 3.1; (b) the Exercise Prices of and number of Shares subject to outstanding Options and SARs; (c) the number of Shares subject to other outstanding Awards; (d) the maximum number of shares that may be issued as ISOs or other Awards set forth in Section 3.4 and (e) the maximum number of Shares that may be issued to an individual or to a new Employee in any one calendar year set forth in Section 3.4, will be proportionately adjusted, subject to any required action by the Board or the stockholders of the Company and in compliance with applicable securities laws, provided that fractions of a Share will not be issued.

## ARTICLE 4 OPTIONS

**4.1 Options.** An Option is the right but not the obligation to purchase a Share, subject to certain conditions, if applicable. The Committee may grant Options to eligible Employees, Consultants and Directors and will determine whether such Options will be Incentive Stock Options within the meaning of the Code ("*ISOs*") or Nonqualified Stock Options ("*NSOs*"), the number of Shares subject to the Option, the Exercise Price of the Option, the period during which the Option may vest and be exercised, and all other terms and conditions of the Option, subject to the following terms of this Section 4.1.

**4.2 Option Grant**. Each Option granted under this Plan will identify the Option as an ISO or an NSO. An Option may be, but need not be, awarded upon satisfaction of such Performance Factors during any Performance Period as are set out in advance in the Participant's individual Award Agreement. If the Option is being earned upon the satisfaction of Performance Factors, then the Committee will: (a) determine the nature, length and starting date of any Performance Period for each Option and (b) select from among the Performance Factors to be used to measure the performance, if any. Performance Periods may overlap and Participants may participate simultaneously with respect to Options that are subject to different performance goals and other criteria.

**4.3 Date of Grant**. The date of grant of an Option will be the date on which the Committee makes the determination to grant such Option or a specified future date. The Award Agreement and a copy of this Plan will be delivered to the Participant within a reasonable time after the granting of the Option.

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**4.4** Exercise Period. Options may be vested and exercisable within the times or upon the conditions as set forth in the Award Agreement governing such Option; provided, however, that no Option will be exercisable after the expiration of ten (10) years from the date the Option is granted; and provided further that no ISO granted to a person who, at the time the ISO is granted, directly or by attribution owns more than ten percent (10%) of the total combined voting power of all classes of stock of the Company or of any Parent or Subsidiary of the Company ("*Ten Percent Stockholder*") will be exercisable after the expiration of five (5) years from the date the ISO is granted. The Committee also may provide for Options to become exercisable at one time or from time to time, periodically or otherwise, in such number of Shares or percentage of Shares as the Committee determines.

**4.5 Exercise Price**. The Exercise Price of an Option will be determined by the Committee when the Option is granted, provided that (a) the Exercise Price of an Option will be not less than one hundred percent (100%) of the Fair Market Value of the Shares on the date of grant and (b) the Exercise Price of any ISO granted to a Ten Percent Stockholder will not be less than one hundred ten percent (110%) of the Fair Market Value of the Shares on the date of grant. Payment for the Shares purchased may be made in accordance with Section 13.1 and the Award Agreement and in accordance with any procedures established by the Company.

**4.6 Method of Exercise**. Any Option granted hereunder will be vested and exercisable according to the terms of the Plan and at such times and under such conditions as determined by the Committee and set forth in the Award Agreement. An Option may not be exercised for a fraction of a Share. An Option will be deemed exercised when the Company receives: (a) notice of exercise (in such form as the Committee may specify from time to time) from the person entitled to exercise the Option (and/or via electronic execution through the authorized third party administrator) and (b) full payment for the Shares with respect to which the Option is exercised (together with applicable withholding taxes). Full payment may consist of any consideration and method of payment authorized by the Committee and permitted by the Award Agreement and the Plan. Shares issued upon exercise of an Option will be issued in the name of the Participant. Until the Shares are issued (as evidenced by the appropriate entry on the books of the Company or of a duly authorized transfer agent of the Company), no right to vote or receive dividends or any other rights as a stockholder will exist with respect to the Shares, notwithstanding the exercise of the Option. The Company will issue (or cause to be issued) such Shares promptly after the Option is exercised. No adjustment will be made for a dividend or other right for which the record date is prior to the date the Shares are issued, except as provided in Section 3.5. Exercising an Option in any manner will decrease the number of Shares thereafter available, both for purposes of the Plan and for sale under the Option, by the number of Shares as to which the Option is exercised.

4.7 Termination of Service. Unless otherwise provided in the Award Agreement, if the Participant's Service terminates for any reason except for Cause or the Participant's death or Disability, then the Participant may exercise such Participant's Options only to the extent that such Options would have been exercisable by the Participant on the date Participant's Service terminates no later than three (3) months after the date Participant's Service terminates (or such shorter or longer time period as may be determined by the Committee, with any exercise beyond three (3) months after the date Participant's Service terminates deemed to be the exercise of an NSO), but in any event no later than the expiration date of the Options. Unless otherwise provided in the Award Agreement, if the Participant's Service terminates because of the Participant's death (or the Participant dies within three (3) months after Participant's Service terminates other than for Cause or because of the Participant's Disability), then the Participant's Options may be exercised only to the extent that such Options would have been exercisable by the Participant on the date Participant's Service terminates and must be exercised by the Participant's legal representative or authorized assignee no later than twelve (12) months after the date Participant's Service terminates (or such shorter time period or longer time period as may be determined by the Committee), but in any event no later than the expiration date of the Options. Unless otherwise provided in the Award Agreement, if the Participant's Service terminates because of the Participant's Disability, then the Participant's Options may be exercised only to the extent that such Options would have been exercisable by the Participant on the date Participant's Service terminates and must be exercised by the Participant (or the Participant's legal representative or authorized assignee) no later than twelve (12) months after the date Participant's Service terminates (or such shorter or longer time period as may be determined by the Committee, with any exercise beyond (a) three (3) months after the date Participant's Service terminates when the termination of Service is for a Disability that is not a "permanent and total disability" as defined in Section 22(e)(3) of the Code or (b) twelve (12) months after the date Participant's Service terminates when the termination of Service is for a Disability that is a "permanent and total disability" as defined in Section 22(e)(3) of the Code, deemed to be exercise of an NSO), but in any event no later than the expiration date of the Options. Unless otherwise provided in the Award Agreement, if the Participant is terminated for Cause, then Participant's Options will expire on such Participant's date of termination of Service or at such later time and on such conditions as are determined by the Committee, but in any no event later than the expiration date of the Options. Unless otherwise provided in the Award Agreement, Cause will have the meaning set forth in the Plan.

**4.8** Limitations on Exercise. The Committee may specify a minimum number of Shares that may be purchased on any exercise of an Option, provided that such minimum number will not prevent any Participant from exercising the Option for the full number of Shares for which it is then exercisable.

**4.9 Limitations on ISOs.** With respect to Awards granted as ISOs, to the extent that the aggregate Fair Market Value of the Shares with respect to which such ISOs are exercisable for the first time by the Participant during any calendar year (under all plans of the Company and any Parent or Subsidiary) exceeds one hundred thousand dollars (\$100,000), such Options will be treated as NSOs. For purposes of this Section 4.9, ISOs will be taken into account in the order in which they were granted. The Fair Market Value of the Shares will be determined as of the time the Option with respect to such Shares is granted. In the event that the Code or the regulations promulgated thereunder are amended after the Effective Date to provide for a different limit on the Fair Market Value of Shares permitted to be subject to ISOs, such different limit will be automatically incorporated herein and will apply to any Options granted after the effective date of such amendment.

**4.10 Modification or Extension**. Subject in all cases to Section 13.8, the Committee may modify or extend outstanding Options (but not beyond their original term) and authorize the grant of new Options in substitution therefor, provided that any such action may not, without the written consent of a Participant, impair any of such Participant's rights under any Option previously granted. Any outstanding ISO that is modified, extended or otherwise altered will be treated in accordance with Section 424(h) of the Code.

**4.11 No Disqualification**. Notwithstanding any other provision in this Plan, no term of this Plan relating to ISOs will be interpreted, amended or altered, nor will any discretion or authority granted under this Plan be exercised, so as to disqualify this Plan under Section 422 of the Code or, without the consent of the Participant affected, to disqualify any ISO under Section 422 of the Code.

### ARTICLE 5 RESTRICTED STOCK AWARDS

5.1 Restricted Stock Awards. A Restricted Stock Award is an offer by the Company to sell to an eligible Employee, Consultant or Director Shares that are subject to restrictions ("*Restricted Stock*"). The Committee will determine to whom an offer will be made, the number of Shares the Participant may purchase, the Purchase Price (if any), the restrictions under which the Shares will be subject and all other terms and conditions of the Restricted Stock Award, subject to the Plan.

**5.2** Award Agreement. All Restricted Stock Awards will be evidenced by an Award Agreement. Except as may otherwise be provided in an Award Agreement, a Participant accepts a Restricted Stock Award by signing and delivering to the Company an Award Agreement with full payment of the Purchase Price (if any), within thirty (30) days from the date the Award Agreement was delivered to the Participant. If the Participant does not accept such Award within thirty (30) days, then the offer of such Restricted Stock Award will terminate, unless the Committee determines otherwise.

**5.3 Purchase Price**. The Purchase Price (if any) for a Restricted Stock Award will be determined by the Committee and may be less than Fair Market Value on the date the Restricted Stock Award is granted. Payment of the Purchase Price (if any) must be made in accordance with Section 13.1, the Award Agreement and any procedures established by the Company.

**5.4 Terms of Restricted Stock Awards**. Restricted Stock Awards will be subject to such restrictions as the Committee may impose or are required by law. These restrictions may be based on completion of a specified number of years of service with the Company or upon completion of Performance Factors, if any, during any Performance Period as set out in advance in the Participant's Award Agreement. Prior to the grant of a Restricted Stock Award, the Committee will: (a) determine the nature, length and starting date of any Performance Period for the Restricted Stock Award; (b) select from among the Performance Factors to be used to measure performance goals, if any and (c) determine the number of Shares that may be awarded to the Participant. Performance Periods may overlap and a Participant may participate simultaneously with respect to Restricted Stock Awards that are subject to different Performance Periods and having different performance goals and other criteria.

**5.5 Termination of Service**. Except as may be set forth in the Participant's Award Agreement, vesting ceases on such date Participant's Service terminates (unless determined otherwise by the Committee).

### ARTICLE 6 STOCK BONUS AWARDS

6.1 Stock Bonus Awards. A Stock Bonus Award is an award to an eligible Employee, Consultant or Director of Shares for Services to be rendered or for past Services already rendered to the Company or any Parent or Subsidiary. All Stock Bonus Awards will be made pursuant to an Award Agreement. No payment from the Participant will be required for Shares awarded pursuant to a Stock Bonus Award.

**6.2 Terms of Stock Bonus Awards**. The Committee will determine the number of Shares to be awarded to the Participant under a Stock Bonus Award and any restrictions thereon. These restrictions may be based upon completion of a specified number of years of service with the Company or upon satisfaction of performance goals based on Performance Factors during any Performance Period as set out in advance in the Participant's Stock Bonus Agreement. Prior to the grant of any Stock Bonus Award the Committee will: (a) determine the nature, length and starting date of any Performance Period for the Stock Bonus Award; (b) select from among the Performance Factors to be used to measure performance goals (if any) and (c) determine the number of Shares that may be awarded to the Participant. Performance Periods may overlap and a Participant may participate simultaneously with respect to Stock Bonus Awards that are subject to different Performance Periods and different performance goals and other criteria.

**6.3** Form of Payment to Participant. Payment may be made in the form of cash, whole Shares or a combination thereof, based on the Fair Market Value of the Shares earned under a Stock Bonus Award on the date of payment, as determined in the sole discretion of the Committee.

6.4 Termination of Service. Except as may be set forth in the Participant's Award Agreement, vesting ceases on such date Participant's Service terminates (unless determined otherwise by the Committee).
 6.5

### ARTICLE 7 STOCK APPRECIATION RIGHTS

7.1 Stock Appreciation Rights. A Stock Appreciation Right ("*SAR*") is an award to an eligible Employee, Consultant or Director that may be settled in cash or Shares (which may consist of Restricted Stock) having a value equal to (a) the difference between the Fair Market Value on the date of exercise over the Exercise Price multiplied by (b) the number of Shares with respect to which the SAR is being settled (subject to any maximum number of Shares that may be issuable as specified in an Award Agreement). All SARs will be made pursuant to an Award Agreement.

7.2 Terms of SARs. The Committee will determine the terms of each SAR, including: (a) the number of Shares subject to the SAR; (b) the Exercise Price and the time or times during which the SAR may be settled; (c) the consideration to be distributed on settlement of the SAR and (d) the effect of the Participant's termination of Service on each SAR. The Exercise Price of the SAR will be determined by the Committee when the SAR is granted, and may not be less than Fair Market Value. A SAR may be awarded upon satisfaction of Performance Factors, if any, during any Performance Period as are set out in advance in the Participant's individual Award Agreement. If the SAR is being earned upon the satisfaction of Performance Factors, then the Committee will: (x) determine the nature, length and starting date of any Performance Period for each SAR and (y) select from among the Performance Factors to be used to measure the performance, if any. Performance Periods may overlap and Participants may participate simultaneously with respect to SARs that are subject to different Performance Factors and other criteria.

**7.3 Exercise Period and Expiration Date.** A SAR will be exercisable within the times or upon the occurrence of events determined by the Committee and set forth in the Award Agreement governing such SAR. The SAR Agreement will set forth the expiration date; provided that no SAR will be exercisable after the expiration of ten (10) years from the date the SAR is granted. The Committee may also provide for SARs to become exercisable at one time or from time to time, periodically or otherwise (including upon the attainment during a Performance Period of performance goals based on Performance Factors), in such number of Shares or percentage of the Shares subject to the SAR as the Committee determines. Except as may be set forth in the Participant's Award Agreement, vesting ceases on the date Participant's Service terminates (unless determined otherwise by the Committee). Notwithstanding the foregoing, the rules of Section 4.7 also will apply to SARs.

7.4 Form of Settlement. Upon exercise of a SAR, a Participant will be entitled to receive payment from the Company in an amount determined by multiplying (a) the difference between the Fair Market Value of a Share on the date of exercise over the Exercise Price; times (b) the number of Shares with respect to which the SAR is exercised. At the discretion of the Committee, the payment from the Company for the SAR exercise may be in cash, in Shares of equivalent value or in some combination thereof. The portion of a SAR being settled may be paid currently or on a deferred basis with such interest or dividend equivalent, if any, as the Committee determines, provided that the terms of the SAR and any deferral satisfy the requirements of Section 409A of the Code.

7.5 Termination of Service. Except as may be set forth in the Participant's Award Agreement, vesting ceases on such date Participant's Service terminates (unless determined otherwise by the Committee).



#### ARTICLE 8 RESTRICTED STOCK UNITS

**8.1** Restricted Stock Units. A Restricted Stock Unit ("*RSU*") is an award to an eligible Employee, Consultant or Director covering a number of Shares that may be settled in cash and/or by issuance of Shares (which may consist of Restricted Stock). All RSUs will be made pursuant to an Award Agreement.

**8.2** Terms of RSUs. The Committee will determine the terms of an RSU including: (a) the number of Shares subject to the RSU; (b) the time or times during which the RSU may be settled; (c) the amount (including any minimum amount), nature (which may include cash, Shares or a combination of both) and valuation of the consideration to be paid or distributed on settlement; (d) the effect of the Participant's termination of Service on each RSU; and (e) such other terms as the Committee may determine. An RSU may be awarded upon satisfaction of such performance goals based on Performance Factors during any Performance Period as are set out in advance in the Participant's Award Agreement. If the RSU is being earned upon satisfaction of Performance Factors, then the Committee will: (x) determine the nature, length and starting date of any Performance Period for the RSU; (y) select from among the Performance Factors to be used to measure the performance, if any and (z) determine the number of Shares deemed subject to the RSU. Performance Periods and different performance goals and other criteria.

**8.3** Timing of Settlement. Payment of earned RSUs will be made as soon as practicable after the date(s) determined by the Committee and set forth in the Award Agreement. The Committee may permit a Participant to defer payment under a RSU to a date or dates after the RSU is earned provided that the terms of the RSU and any deferral satisfy the requirements of Section 409A of the Code.

**8.4 Termination of Service**. Except as may be set forth in the Participant's Award Agreement, vesting ceases on such date Participant's Service terminates (unless determined otherwise by the Committee).

### ARTICLE 9 PERFORMANCE AWARDS

**9.1 Performance Awards**. A Performance Award is an award to an eligible Employee, Consultant or Director of a cash bonus or an award of Performance Shares denominated in Shares that may be settled in cash or by issuance of those Shares (which may consist of Restricted Stock). Grants of Performance Awards will be made pursuant to an Award Agreement.

Terms of Performance Shares. The Committee will determine, and each Award Agreement will set forth, the 9.2 terms of each Performance Award including: (a) the amount of any cash bonus; (b) the number of Shares deemed subject to an award of Performance Shares; (c) the Performance Factors and Performance Period that will determine the time and extent to which each Performance Award will be settled; (d) the consideration to be distributed on settlement and (e) the effect of the Participant's termination of Service on each Performance Award. In establishing Performance Factors and the Performance Period the Committee will: (x) determine the nature, length and starting date of any Performance Period; (y) select from among the Performance Factors to be used and (z) determine the number of Shares deemed subject to the award of Performance Shares. Prior to settlement the Committee will determine the extent to which Performance Awards have been earned. Performance Periods may overlap and Participants may participate simultaneously with respect to Performance Awards that are subject to different Performance Periods and different performance goals and other criteria. During any calendar year no Participant may be granted Performance Awards that are intended to comply with the performance-based exception under Section 162(m) of the Code and are denominated in cash under which more than \$10,000,000 may be earned for each twelve (12) months in the Performance Period. This limitation shall be multiplied by two (2) with respect to Awards granted to a Participant during the first calendar year in which the Participant commences employment with the Company and its Subsidiaries. If an Award is cancelled, the cancelled Award shall continue to be counted toward the limitation in this Section 9.2.

**9.3** Value, Earning and Timing of Performance Shares. Each Performance Share will have an initial value equal to the Fair Market Value of a Share on the date of grant. After the applicable Performance Period has ended, the holder of Performance Shares will be entitled to receive a payout of the number of Performance Shares earned by the Participant over the Performance Period, to be determined as a function of the extent to which the corresponding Performance Factors or other vesting provisions have been achieved. The Committee, in its sole discretion, may pay earned Performance Shares in the form of cash, in Shares (which have an aggregate Fair Market Value equal to the value of the earned Performance Shares at the close of the applicable Performance Period) or in a combination thereof.

**9.4 Termination of Service**. Except as may be set forth in the Participant's Award Agreement, vesting ceases on the date Participant's Service terminates (unless determined otherwise by the Committee).

### ARTICLE 10 GRANTS TO NON-EMPLOYEE DIRECTORS

**10.1 Grants To Non-Employee Directors**. Non-Employee Directors are eligible to receive any type of Award offered under this Plan except ISOs. Awards pursuant to this Article 10 may be automatically made pursuant to policy adopted by the Board or made from time to time as determined in the discretion of the Board. No Non-Employee Director may be granted Awards pursuant to this Article 10 in any calendar year with a grant date fair value (determined in accordance with U.S. generally accepted accounting principles) of more than \$1,000,000. The limitation in the preceding sentence of this Section 10.1 shall be multiplied by two (2) with respect to Awards granted to a Non-Employee Director during the first calendar year in which the Non-Employee Director.

**10.2** Eligibility. Awards pursuant to this Article 10 will be granted only to Non-Employee Directors. A Non-Employee Director who is elected or re-elected as a member of the Board will be eligible to receive an Award under this Article 10.

**10.3** Vesting, Exercisability and Settlement. Except as set forth in Article 12, Awards will vest, become exercisable and be settled as determined by the Board. With respect to Options and SARs, the exercise price granted to Non-Employee Directors will not be less than the Fair Market Value of the Shares at the time that such Option or SAR is granted.

**10.4** Election to receive Awards in Lieu of Cash. A Non-Employee Director may elect to receive his or her annual retainer payments and/or meeting fees from the Company in the form of cash or Awards or a combination thereof, as determined by the Committee. Such Awards will be issued under the Plan. An election under this Section 10.4 will be filed with the Company on the form prescribed by the Company.

### ARTICLE 11 ADMINISTRATION OF THE PLAN

Committee Composition; Authority. This Plan will be administered by the Committee or by the Board acting as 11.1 the Committee. Subject to the general purposes, terms and conditions of this Plan, and to the direction of the Board, the Committee will have full power to implement and carry out this Plan, except, however, the Board will establish the terms for the grant of an Award to Non-Employee Directors. The Committee will have the authority to: (a) construe and interpret this Plan, any Award Agreement and any other agreement or document executed pursuant to this Plan; (b) prescribe, amend and rescind rules and regulations relating to this Plan or any Award; (c) select persons to receive Awards; (d) determine the form and terms and conditions, not inconsistent with the terms of the Plan, of any Award granted hereunder, including the exercise price, the time or times when Awards may vest and be exercised (which may be based on performance criteria) or settled, any vesting acceleration or waiver of forfeiture restrictions, the method to satisfy tax withholding obligations or any other tax liability legally due and any restriction or limitation regarding any Award or the Shares relating thereto, based in each case on such factors as the Committee will determine; (e) determine the number of Shares or other consideration subject to Awards; (f) determine the Fair Market Value in good faith and interpret the applicable provisions of this Plan and the definition of Fair Market Value in connection with circumstances that impact the Fair Market Value, if necessary; (g) determine whether Awards will be granted singly, in combination with, in tandem with, in replacement of or as alternatives to other Awards under this Plan or any other incentive or compensation plan of the Company or any Parent or Subsidiary of the Company; (h) grant waivers of Plan or Award conditions; (i) determine the vesting, exercisability and payment of Awards; (j) correct any defect, supply any omission or reconcile any inconsistency in this Plan, any Award or any Award Agreement; (k) determine whether an Award has been earned; (l) reduce or waive any criteria with respect to Performance Factors (subject to any applicable requirements or limitations under Section 162(m) of the Code); (m) adjust Performance Factors in accordance with Section 11.3 with respect to persons whose compensation is subject to Section 162(m) of the Code; (n) adopt terms and conditions, rules and procedures (including the adoption of any sub-plan under this Plan) relating to the operation and administration of the Plan to accommodate requirements of local law and procedures outside of the United States; (o) make all other determinations necessary or advisable for the administration of this Plan and (p) delegate any of the foregoing to a subcommittee consisting of one or more executive officers pursuant to a specific delegation as permitted by applicable law, including Section 157(c) of the Delaware General Corporation Law.



**11.2** Committee Interpretation and Discretion. Any determination made by the Committee with respect to any Award will be made in its sole discretion at the time of grant of the Award or, unless in contravention of any express term of the Plan or Award, at any later time, and such determination will be final and binding on the Company and all persons having an interest in any Award under the Plan. Any dispute regarding the interpretation of the Plan or any Award Agreement will be submitted by the Participant or Company to the Committee for review. The resolution of such a dispute by the Committee will be final and binding on the Company and the Participant. The Committee may delegate to one or more executive officers the authority to review and resolve disputes with respect to Awards held by Participants who are not Insiders, and such resolution will be final and binding on the Company and the Participant.

**11.3** Section 162(m) of the Code and Section 16 of the Exchange Act. When necessary or desirable for an Award to qualify as "performance-based compensation" under Section 162(m) of the Code the Committee will include at least two persons who are "outside directors" (as defined under Section 162(m) of the Code) and at least two of such "outside directors" (or a majority if more than two "outside directors" then serve on the Committee) will approve the grant of such Award and timely determine (as applicable) the Performance Period and any Performance Factors upon which vesting or settlement of any portion of such Award is to be subject. If the Committee determines that an Award (other than an Option or SAR) is intended to qualify as "performance-based compensation" under Section 162(m) of the Code, the lapsing of restrictions thereon and the distribution of cash, Shares or other property pursuant thereto, as applicable, shall be subject to the achievement of one or more objective performance goals established by the Committee, which shall be based on the attainment of specified levels of one or any combination of the Performance Factors.

Such performance goals (and any exclusions) shall (a) be set by the Committee prior to the earlier of 90 days after the commencement of the applicable Performance Period and the expiration of 25% of the Performance Period and (b) otherwise comply with the requirements of Section 162(m) of the Code and the regulations thereunder. When required by Section 162(m) of the Code, prior to settlement of any such Award at least two (or a majority if more than two then serve on the Committee) of such "outside directors" then serving on the Committee will determine and certify in writing the extent to which such Performance Factors have been timely achieved and the extent to which the Award has thereby been earned, and the Committee may adjust downwards, but not upwards, the amount payable pursuant to such Award. Awards granted to Participants who are subject to Section 16 of the Exchange Act must be approved by two or more "non-employee directors" (as defined in the regulations promulgated under Section 16 of the Exchange Act). With respect to Participants whose compensation is subject to Section 162(m) of the Code, the Committee may specify, in its sole discretion, at the time of the initial grant of the Award, the manner of adjustment of any Performance Factors upon which vesting or settlement of any portion of such Award is to be subject to the extent necessary to prevent dilution or enlargement of any Award as a result of extraordinary events or circumstances, as determined by the Committee, or to exclude the effects of an event or occurrence which the Committee determines should appropriately be excluded, including: extraordinary, unusual, infrequent, or non-recurring items; an event either not directly related to the operations of the Company or not within the reasonable control of the Company's management; changes in applicable laws, regulations or accounting principles or standards; currency fluctuations; discontinued operations; non-cash items, such as amortization, depreciation, or reserves; asset impairment; or any recapitalization, restructuring, reorganization, merger, acquisition, divestiture, consolidation, spin-off, split-up, combination, liquidation, dissolution, sale of assets, or other similar corporate transaction, but only to the extent such adjustments would be permitted under Section 162(m) of the Code.

**11.4 Documentation**. The Award Agreement for a given Award, the Plan and any other documents may be delivered to, and accepted by, a Participant or any other person in any manner (including electronic distribution or posting) that meets applicable legal requirements.

**11.5** Foreign Award Recipients. Notwithstanding any provision of the Plan to the contrary, in order to comply with the laws and practices in other countries in which the Company and its Subsidiaries operate or have employees or other individuals eligible for Awards, the Committee, in its sole discretion, will have the power and authority to: (a) determine which Subsidiaries and Affiliates will be covered by the Plan; (b) determine which individuals outside the United States are eligible to participate in the Plan, which may include individuals who provide services to the Company, Subsidiary or Affiliate under an agreement with a foreign nation or agency; (c) modify the terms and conditions of any Award granted to individuals outside the United States or foreign nationals to comply with applicable foreign laws, policies, customs and practices; (d) establish sub-plans and modify exercise procedures and other terms and procedures, to the extent the Committee determines such actions to be necessary or advisable (and such sub-plans and/or modifications will be attached to this Plan as appendices); provided, however, that no such sub-plans and/or modifications will be attached to this Plan as appendices); provided, however, that no such sub-plans and/or modifications will be necessary or advisable to obtain approval or comply with any local governmental regulatory exemptions or approvals. Notwithstanding the foregoing, the Committee may not take any actions hereunder, and no Awards will be granted, that would violate the Exchange Act or any other applicable United States securities law, the Code or any other applicable United States governing statute or law.

#### ARTICLE 12 CORPORATE TRANSACTIONS

**12.1** Assumption or Replacement of Awards by Successor. In the event of a Corporate Transaction, any or all outstanding Awards may be assumed or replaced by the successor corporation, which assumption or replacement will be binding on all Participants. In the alternative, the successor corporation may substitute equivalent Awards or provide substantially similar consideration to Participants as was provided to stockholders (after taking into account the existing provisions of the Awards). The successor corporation may also issue, in place of outstanding Shares of the Company held by the Participant, substantially similar shares or other property subject to repurchase restrictions no less favorable to the Participant. In the event such successor or acquiring corporation (if any) refuses to assume, convert, replace or substitute Awards, as provided above, pursuant to a Corporate Transaction, then notwithstanding any other provision in this Plan to the contrary, such Awards will have their vesting accelerate as to all shares subject to such Award (and any applicable right of repurchase fully lapse) immediately prior to the Corporate Transaction. In addition, in the event such successor or acquiring corporation (if any) refuses to assume, convert Transaction, the Committee will notify the Participants in writing or electronically that such Award will be exercisable for a period of time determined by the Committee in its sole discretion, and such Award will terminate upon the expiration of such period. Awards need not be treated similarly in a Corporate Transaction.

12.2 Assumption of Awards by the Company. The Company, from time to time, also may substitute or assume outstanding awards granted by another company, whether in connection with an acquisition of such other company or otherwise, by either; (a) granting an Award under this Plan in substitution of such other company's award or (b) assuming such award as if it had been granted under this Plan if the terms of such assumed award could be applied to an Award granted under this Plan ("Substitute Awards"). Such substitution or assumption will be permissible if the holder of the substituted or assumed award would have been eligible to be granted an Award under this Plan if the other company had applied the rules of this Plan to such grant. In the event the Company assumes an award granted by another company, the terms and conditions of such award will remain unchanged (except that the Purchase Price or the Exercise Price, as the case may be, and the number and nature of Shares issuable upon exercise or settlement of any such Award will be adjusted appropriately pursuant to Section 424(a) of the Code). In the event the Company elects to grant a new Option in substitution rather than assuming an existing option, such new Option may be granted with a similarly adjusted Exercise Price. Substitute Awards shall not reduce the Shares authorized for grant under the Plan or the limitations on grants to a Participant under Section 3.4, nor shall Shares subject to a Substitute Award be added to the Shares available for Awards under the Plan. Additionally, in the event that a company acquired by the Company or any Subsidiary or with which the Company or any Subsidiary combines has shares available under a pre-existing plan approved by stockholders and not adopted in contemplation of such acquisition or combination, the shares available for grant pursuant to the terms of such pre-existing plan (as adjusted, to the extent appropriate, using the exchange ratio or other adjustment or valuation ratio or formula used in such acquisition or combination to determine the consideration payable to the holders of common stock of the entities party to such acquisition or combination) may be used for Awards under the Plan and shall not reduce the Shares authorized for grant under the Plan (and Shares subject to such Awards shall not be added to the Shares available for Awards under the Plan); provided that Awards using such available shares shall not be made after the date awards or grants could have been made under the terms of the pre-existing plan, absent the acquisition or combination, and shall only be made to individuals who were not Employees or Directors prior to such acquisition or combination.

**12.3** Non-Employee Directors' Awards. Notwithstanding any provision to the contrary herein, in the event of a Corporate Transaction, the vesting of all Awards granted to Non-Employee Directors will accelerate and such Awards will become exercisable (as applicable) in full prior to the consummation of such event at such times and on such conditions as the Committee determines.

### ARTICLE 13 MISCELLANEOUS

**13.1 Payment For Share Purchases.** Payment from a Participant for Shares purchased pursuant to this Plan may be made in cash or by check or, where expressly approved for the Participant by the Committee and where permitted by law (and to the extent not otherwise set forth in the applicable Award Agreement): (a) by cancellation of indebtedness of the Company to the Participant; (b) by surrender of shares of the Company held by the Participant that have a Fair Market Value on the date of surrender equal to the aggregate exercise price of the Shares as to which said Award will be exercised or settled; (c) by waiver of compensation due or accrued to the Participant for services rendered or to be rendered to the Company or a Parent or Subsidiary of the Company; (d) by consideration received by the Company pursuant to a broker-assisted or other form of cashless exercise program implemented by the Company in connection with the Plan; (e) by any combination of the foregoing or (f) by any other method of payment as is permitted by applicable law.

13.2 Withholding Taxes. Whenever Shares are to be issued in satisfaction of Awards granted under this Plan or the applicable tax event occurs, the Company may require the Participant to remit to the Company or to the Parent or Subsidiary employing the Participant an amount sufficient to satisfy applicable U.S. federal, state, local and international withholding tax requirements or any other tax or social insurance liability legally due from the Participant prior to the delivery of Shares pursuant to exercise or settlement of any Award. Whenever payments in satisfaction of Awards granted under this Plan are to be made in cash, such payment will be net of an amount sufficient to satisfy applicable U.S. federal, state, local and international withholding tax or social insurance requirements or any other tax liability legally due from the Participant. The Fair Market Value of the Shares will be determined as of the date that the taxes are required to be withheld and such Shares will be valued based on the value of the actual trade or, if there is none, the Fair Market Value of the Shares as of the previous trading day. The Committee, or its delegate(s), as permitted by applicable law, in its sole discretion and pursuant to such procedures as it may specify from time to time and to limitations of local law, may require or permit a Participant to satisfy such tax withholding obligation or any other tax liability legally due from the Participant, in whole or in part by paying cash, electing to have the Company withhold otherwise deliverable cash or Shares having a Fair Market Value equal to the minimum statutory amount required to be withheld (or such other amount that will not cause an adverse accounting consequence or cost), delivering to the Company already-owned Shares having a Fair Market Value equal to the minimum amount required to be withheld or withholding from the proceeds of the sale of otherwise deliverable Shares acquired pursuant to an Award either through a voluntary sale or through a mandatory sale arranged by the Company.

**13.3 Transferability**. Unless determined otherwise by the Committee, an Award may not be sold, pledged, assigned, hypothecated, transferred or disposed of in any manner other than by will or by the laws of descent or distribution. If the Committee makes an Award transferable, including by instrument to an inter vivos or testamentary trust in which the Awards are to be passed to beneficiaries upon the death of the trustor (settlor) or by gift or by domestic relations order to a Permitted Transferee, such Award will contain such additional terms and conditions as the Committee deems appropriate. All Awards will be exercisable: (a) during the Participant's lifetime only by (i) the Participant or (ii) the Participant's guardian or legal representative; (b) after the Participant's death, by the legal representative of the Participant's heirs or legatees and (c) in the case of all awards except ISOs, by a Permitted Transferee.

**13.4** Voting and Dividends. No Participant will have any of the rights of a stockholder with respect to any Shares until the Shares are issued to the Participant, except for any Dividend Equivalent Rights permitted by an applicable Award Agreement. Any Dividend Equivalent Rights will be subject to the same vesting or performance conditions as the underlying Award. In addition, the Committee may provide that any Dividend Equivalent Rights permitted by an applicable Award Agreement will be deemed to have been reinvested in additional Shares or otherwise reinvested. After Shares are issued to the Participant, the Participant will be a stockholder and have all the rights of a stockholder with respect to such Shares, including the right to vote and receive all dividends or other distributions made or paid with respect to such Shares; provided, that if such Shares are Restricted Stock, then any new, additional or different securities the Participant may become entitled to receive with respect to such Shares by virtue of a stock dividend, stock split or any other change in the corporate or capital structure of the Company will be subject to the same restrictions as the Restricted Stock; provided, further, that the Participant's Purchase Price or Exercise Price, as the case may be, pursuant to Section 13.5.

**13.5 Restrictions on Shares.** At the discretion of the Committee, the Company may reserve to itself and/or its assignee(s) a right to repurchase (a "*Right of Repurchase*") a portion of any or all Unvested Shares held by a Participant following such Participant's termination of Service at any time within ninety (90) days (or such longer or shorter time determined by the Committee) after the later of the date Participant's Service terminates and the date the Participant purchases Shares under this Plan, for cash and/or cancellation of purchase money indebtedness, at the Participant's Purchase Price or Exercise Price, as the case may be. Dividend Equivalent Rights will not be granted in connection with any Options or SARs.

**13.6** Certificates. All Shares or other securities whether or not certificated, delivered under this Plan will be subject to such stock transfer orders, legends and other restrictions as the Committee may deem necessary or advisable, including restrictions under any applicable U.S. federal, state or foreign securities law or any rules, regulations and other requirements of the SEC or any stock exchange or automated quotation system upon which the Shares may be listed or quoted and any non-U.S. exchange controls or securities law restrictions to which the Shares are subject.

**13.7 Escrow; Pledge of Shares**. To enforce any restrictions on a Participant's Shares, the Committee may require the Participant to deposit all certificates representing Shares, together with stock powers or other instruments of transfer approved by the Committee, appropriately endorsed in blank, with the Company or an agent designated by the Company to hold in escrow until such restrictions have lapsed or terminated, and the Committee may cause a legend or legends referencing such restrictions to be placed on the certificates. Any Participant who is permitted to execute a promissory note as partial or full consideration for the purchase of Shares under this Plan will be required to pledge and deposit with the Company all or part of the Shares so purchased as collateral to secure the payment of the Participant's obligation to the Company under the promissory note; provided, however, that the Committee may require or accept other or additional forms of collateral to secure the payment of such obligation and, in any event, the Company will have full recourse against the Participant under the promissory note notwithstanding any pledge of the Participant's Shares or other collateral. In connection with any pledge of the Shares, the Participant will be required to execute and deliver a written pledge agreement in such form as the Committee will from time to time approve. The Shares purchased with the promissory note may be released from the pledge on a pro rata basis as the promissory note is paid.

**13.8 Repricing Prohibited.** Other than pursuant to Section 3.5, the Committee will not (a) amend the terms of outstanding Options or SARs to reduce the Exercise Price of outstanding Options or SARs; (b) cancel outstanding Options or SARs when the Exercise Price per Share exceeds the Fair Market Value of one Share in exchange for cash or another Award (other than in connection with a Corporate Transaction); or (c) take any other action with respect to an Option or SAR that would be treated as a repricing under the rules and regulations of the principal U.S. national securities exchange on which the Shares are listed, in any case without prior stockholder approval.

**13.9 Deferrals**. The Committee may determine that the delivery of Shares, payment of cash or a combination thereof upon the exercise, vesting or settlement of all or a portion of any Award may be deferred and may establish programs and procedures for deferral elections to be made by Participants. Deferrals by Participants will be made only in accordance with Section 409A of the Code. Consistent with Section 409A of the Code, the Committee may provide for distributions while a Participant is providing Services to the Company or any Parent or Subsidiary.

**13.10** Securities Law and Other Regulatory Compliance. An Award will not be effective unless such Award is in compliance with all applicable U.S. and foreign federal and state securities and exchange control laws, rules and regulations of any governmental body, and the requirements of any stock exchange or automated quotation system upon which the Shares may then be listed or quoted, as they are in effect on the date of grant of the Award and also on the date of exercise or other issuance. Notwithstanding any other provision in this Plan, the Company will have no obligation to issue or deliver certificates for Shares under this Plan prior to: (a) obtaining any approvals from governmental agencies that the Company determines are necessary or advisable and (b) completion of any registration or other qualification of such Shares under any state or federal or foreign law or ruling of any governmental body that the Company determines to be necessary or advisable. The Company will be under no obligation to register the Shares with the SEC or to effect compliance with the registration, qualification or listing requirements of any foreign or state securities laws, exchange control laws, stock exchange or automated quotation system, and the Company will have no liability for any inability or failure to do so.

**13.11** No Obligation To Employ. Nothing in this Plan or any Award granted under this Plan will confer or be deemed to confer on any Participant any right to continue in the employ of or to continue any other relationship with the Company or any Parent, Subsidiary or Affiliate or limit in any way the right of the Company or any Parent, Subsidiary or Affiliate to terminate Participant's employment or other relationship at any time.

**13.12** Adoption and Stockholder Approval. This Plan will be submitted for the approval of the Company's stockholders, consistent with applicable laws, within twelve (12) months after the date this Plan is adopted by the Board.

**13.13** Term of Plan; Governing Law. Unless earlier terminated as provided herein, this Plan will become effective on the Effective Date and will terminate ten (10) years from the date this Plan is adopted by the Board. This Plan and all Awards granted hereunder will be governed by and construed in accordance with the laws of the State of Delaware (excluding its conflict of law rules).

**13.14 Amendment or Termination of Plan**. The Board may at any time terminate or amend this Plan in any respect, including amendment of any form of Award Agreement or instrument to be executed pursuant to this Plan; provided, however, that the Board will not, without the approval of the stockholders of the Company, amend this Plan in any manner that requires such stockholder approval or amend Section 13.8; provided further, that a Participant's Award will be governed by the version of this Plan then in effect at the time such Award was granted.

**13.15** Nonexclusivity of the Plan. Neither the adoption of this Plan by the Board, the submission of this Plan to the stockholders of the Company for approval, nor any provision of this Plan will be construed as creating any limitations on the power of the Board to adopt such additional compensation arrangements as it may deem desirable, including the granting of stock awards and bonuses otherwise than under this Plan, and such arrangements may be either generally applicable or applicable only in specific cases.

**13.16** Insider Trading Policy. Each Participant who receives an Award will comply with any policy adopted by the Company from time to time covering transactions in the Company's securities by Employees, officers and/or directors of the Company.

**13.17** All Awards Subject to Company Clawback or Recoupment Policy. All Awards, subject to applicable law, will be subject to clawback or recoupment pursuant to any compensation clawback or recoupment policy adopted by the Board or required by law during the term of Participant's employment or other service with the Company that is applicable to executive officers, employees, directors or other service providers of the Company, and in addition to any other remedies available under such policy and applicable law, may require the cancellation of outstanding Awards and the recoupment of any gains realized with respect to Awards.

13.18 Compliance with Section 409A of the Code. This Plan is intended to comply and shall be administered in a manner that is intended to comply with Section 409A of the Code and shall be construed and interpreted in accordance with such intent. To the extent that an Award or the payment, settlement or deferral thereof is subject to Section 409A of the Code, the Award shall be granted, paid, settled or deferred in a manner that will comply with Section 409A of the Code, including regulations or other guidance issued with respect thereto, except as otherwise determined by the Committee. Any provision of this Plan that would cause the grant of an Award or the payment, settlement or deferral thereof to fail to satisfy Section 409A of the Code shall be amended to comply with Section 409A of the Code on a timely basis, which may be made on a retroactive basis, in accordance with regulations and other guidance issued under Section 409A of the Code. Notwithstanding any contrary provision in the Plan or any Award Agreement, any payment(s) of "nonqualified deferred compensation" (within the meaning of Section 409A) that are otherwise required to be made under the Plan or any Award Agreement to a "specified employee" (as defined under Section 409A) as a result of his or her "separation from service" (as defined below) (other than a payment that is not subject to Section 409A) shall be delayed for the first six (6) months following such "separation from service" and shall instead be paid (in a manner set forth in the Award Agreement) on the payment date that immediately follows the end of such six-month period (or, if earlier, within 10 business days following the date of death of the specified employee) or as soon as administratively practicable within 60 days thereafter, but in no event later than the end of the applicable taxable year. A termination of employment shall not be deemed to have occurred for purposes of any provision of the Plan or any Award Agreement providing for the payment of any amounts or benefits that are considered nonqualified deferred compensation under Section 409A upon or following a termination of employment, unless such termination is also a "separation from service" within the meaning of Section 409A and the payment thereof prior to a "separation from service" would violate Section 409A. For purposes of any such provision of the Plan or any Award Agreement relating to any such payments or benefits, references to a "termination," "termination of employment," "termination of continuous Service" or like terms shall mean "separation from service."

### NOTICE OF STOCK OPTION GRANT VOLITIONRX LIMITED 2015 STOCK INCENTIVE PLAN

Unless otherwise defined herein, the terms defined in the VolitionRx Limited (the "*Company*") 2015 Stock Incentive Plan (the "*Plan*") shall have the same meanings in this Notice of Stock Option Grant (the "*Notice of Grant*") and the attached Stock Option Agreement (the "*Option Agreement*"). You have been granted an Option to purchase shares of Common Stock of the Company under the Plan subject to the terms and conditions of the Plan, this Notice of Grant and the attached Option Agreement.

Name:	
Address:	
Date of Grant:	
Vesting Commencement Date:	
Exercise price per Share:	
Total Number of Shares:	
Type of Option:	<ul> <li>Non-Qualified Stock Option</li> <li>Incentive Stock Option</li> </ul>
Expiration Date:	, 20; This Option expires earlier if your Service terminates earlier, as described in the Stock Option Agreement.
Vesting Schedule:	[INSERT VESTING SCHEDULE].
Additional Terms:	☐ If this box is checked, the additional terms and conditions set forth on <u>Attachment 1</u> hereto (as executed by the Company) are applicable and are incorporated herein by reference. No document need be attached as Attachment 1 if the box is not checked.

By accepting this Option, you and the Company agree that this Option is granted under and governed by the terms and conditions of the Plan, the Notice of Grant and the Option Agreement. You acknowledge and agree that the Vesting Schedule may change prospectively in the event that your Service status changes between full and part-time status in accordance with Company policies relating to work schedules and vesting of awards. You further acknowledge that the grant of this Option by the Company is at the Company's sole discretion, and does not entitle you to further grant(s) of Option(s) or any other award(s) under the Plan or any other plan or program maintained by the Company or any Parent, Subsidiary or Affiliate of the Company. By accepting this Option, you consent to electronic delivery as set forth in the Option Agreement.

### **PARTICIPANT:**

# VOLITIONRX LIMITED

Signature:	By:	
Print Name:	Name:	
	Its:	

### STOCK OPTION AGREEMENT VOLITIONRX LIMITED 2015 STOCK INCENTIVE PLAN

You have been granted an Option by VolitionRx Limited (the "*Company*") under the 2015 Stock Incentive Plan (the "*Plan*") to purchase Shares (the "*Option*"), subject to the terms, restrictions and conditions of the Plan, the Notice of Stock Option Grant (the "*Notice of Grant*") and this Stock Option Agreement (the "*Agreement*").

1. <u>Grant of Option</u>. You have been granted an Option for the number of Shares set forth in the Notice of Grant at the exercise price per Share set forth in the Notice of Grant (the "*exercise price*"). In the event of a conflict between the terms and conditions of the Plan and the terms and conditions of this Agreement, the terms and conditions of the Plan shall prevail. If designated in the Notice of Grant as an Incentive Stock Option ("*ISO*"), this Option is intended to qualify as an Incentive Stock Option under Section 422 of the Code. However, if this Option is intended to be an ISO, to the extent that it exceeds the \$100,000 rule of Code Section 422(d), it shall be treated as a Nonqualified Stock Option ("*NSO*").

# 2. <u>Termination Period</u>.

2.1 <u>General Rule</u>. If your Service terminates for any reason except death or Disability, and other than for Cause, then this Option will expire at the close of business at Company headquarters on the date three (3) months after your termination of Service (subject to the expiration detailed in Section 6). If your Service is terminated for Cause, this Option will expire upon the date of such termination. The Company determines when your Service terminates for all purposes under this Agreement.

2.2 <u>Death: Disability</u>. If you die before your Service terminates (or you die within three months of your termination of Service other than for Cause), then this Option will expire at the close of business at Company headquarters on the date twelve (12) months after the date of death (subject to the expiration detailed in Section 6). If your Service terminates because of your Disability, then this Option will expire at the close of business at Company headquarters on the date twelve (12) months after your termination date (subject to the expiration detailed in Section 6).

2.3 <u>No Notice</u>. You are responsible for keeping track of these exercise periods following your termination of Service for any reason. The Company will not provide further notice of such periods. In no event shall this Option be exercised later than the Expiration Date set forth in the Notice of Grant.

# 3. <u>Exercise of Option</u>.

3.1 <u>Right to Exercise</u>. This Option is exercisable during its term in accordance with the Vesting Schedule set forth in the Notice of Grant and the applicable provisions of the Plan and this Agreement. In the event of your death, Disability, or other cessation of Service, the exercisability of the Option is governed by the applicable provisions of the Plan, the Notice of Grant and this Agreement. This Option may not be exercised for a fraction of a Share.

3.2 <u>Method of Exercise</u>. This Option is exercisable by delivery of an exercise notice in a form specified by the Company (the "Exercise Notice"), which shall state the election to exercise the Option, the number of Shares in respect of which the Option is being exercised (the "Exercised Shares"), and such other representations and agreements as may be required by the Company pursuant to the provisions of the Plan. The Exercise Notice shall be delivered in person, by mail, via electronic mail or facsimile or by other authorized method to the Secretary of the Company or other person designated by the Company. The Exercise Notice shall be accompanied by payment of the aggregate exercise price as to all Exercised Shares. This Option shall be deemed to be exercised upon receipt by the Company of a fully executed Exercise Notice accompanied by the aggregate exercise price and any applicable tax withholding due upon exercise of the Option.

3.3 <u>Exercise by Another</u>. If another person wants to exercise this Option after it has been transferred to him or her in compliance with this Agreement, that person must prove to the Company's satisfaction that he or she is entitled to exercise this Option. That person must also complete the proper Exercise Notice form (as described above) and pay the exercise price (as described below) and any applicable tax withholding due upon exercise of the Option (as described below).

4. <u>Method of Payment</u>. Payment of the aggregate exercise price shall be by any of the following, or a combination thereof, at your election:

4.1 your personal check, wire transfer, or a cashier's check;

4.2 certificates for shares of Company stock that you own, along with any forms needed to effect a transfer of those shares to the Company; the value of the shares, determined as of the effective date of the Option exercise, will be applied to the Option exercise price. Instead of surrendering shares of Company stock, you may attest to the ownership of those shares on a form provided by the Company and have the same number of shares subtracted from the Option shares issued to you. However, you may not surrender, or attest to the ownership of, shares of Company stock in payment of the exercise price of your Option if your action would cause the Company to recognize compensation expense (or additional compensation expense) with respect to this Option for financial reporting purposes;

4.3 waiver of compensation due or accrued to you for your services rendered or to be rendered to the Company or a Parent or Subsidiary of the Company;

4.4 cashless exercise through irrevocable directions to a securities broker approved by the Company to sell all or part of the Shares covered by this Option and to deliver to the Company from the sale proceeds an amount sufficient to pay the Option exercise price and any withholding taxes. The balance of the sale proceeds, if any, will be delivered to you. The directions must be given by signing a special notice of exercise form provided by the Company;

4.5 net share exercise through irrevocable directions to the Company to withhold a sufficient number of the Shares covered by this Option to satisfy the aggregate Option price and any withholding taxes; or

4.6 other method authorized by the Company.

Non-Transferability of Option. In general, except as provided below, only you may exercise this Option prior to your 5. death. You may not transfer or assign this Option, except as provided below. For instance, you may not sell this Option or use it as security for a loan. If you attempt to do any of these things, this Option will immediately become invalid. You may, however, dispose of this Option in your will or in a beneficiary designation. However, if this Option is designated as a NSO in the Notice of Grant, then the Committee (as defined in the Plan) may, in its sole discretion, allow you to transfer this Option as a gift to one or more family members. For purposes of this Agreement, "family member" means a child, stepchild, grandchild, parent, stepparent, grandparent, spouse, former spouse, sibling, niece, nephew, mother-in-law, father-in-law, son-in-law, daughter-in-law, brother-in-law or sister-in-law (including adoptive relationships), any individual sharing your household (other than a tenant or employee), a trust in which one or more of these individuals have more than 50% of the beneficial interest, a foundation in which you or one or more of these persons control the management of assets, and any entity in which you or one or more of these persons own more than 50% of the voting interest. In addition, if this Option is designated as a NSO in the Notice of Grant, then the Committee may, in its sole discretion, allow you to transfer this Option to your spouse or former spouse pursuant to a domestic relations order in settlement of marital property rights. The Committee will allow you to transfer this Option only if both you and the transferee(s) execute the forms prescribed by the Committee, which include the consent of the transferee(s) to be bound by this Agreement. This Option may not be transferred in any manner other than by will or by the laws of descent or distribution or court order and may be exercised during the lifetime of you only by you, your guardian, or legal representative, as permitted in the Plan. The terms of the Plan and this Agreement shall be binding upon the executors, administrators, heirs, successors and assigns of you.

6. <u>Term of Option</u>. This Option shall in any event expire on the expiration date set forth in the Notice of Grant, which date is ten (10) years after the grant date (five years after the grant date if this Option is designated as an ISO in the Notice of Grant and Section 4.4 of the Plan applies).

7. <u>Tax Consequences</u>. You should consult a tax adviser for tax consequences relating to this Option in the jurisdiction in which you are subject to tax. YOU SHOULD CONSULT A TAX ADVISER BEFORE EXERCISING THIS OPTION OR DISPOSING OF THE SHARES.

7.1 <u>Exercising the Option</u>. You will not be allowed to exercise this Option unless you make arrangements acceptable to the Company to pay any withholding taxes that may be due as a result of the Option exercise.

7.2 <u>Notice of Disqualifying Disposition of ISO Shares</u>. If you sell or otherwise dispose of any of the Shares acquired pursuant to an ISO on or before the later of (i) two years after the grant date, or (ii) one year after the exercise date, you shall immediately notify the Company in writing of such disposition. You agree that you may be subject to income tax withholding by the Company on the compensation income recognized from such early disposition of ISO Shares by payment in cash or out of the current compensation paid to you.

8. <u>Withholding Taxes and Stock Withholding</u>. Regardless of any action the Company or your actual employer (the "*Employer*") takes with respect to any or all income tax, social insurance, payroll tax, payment on account or other tax-related withholding ("*Tax-Related Items*"), you acknowledge that the ultimate liability for all Tax-Related Items legally due by you is and remains your responsibility and that the Company and/or the Employer (1) make no representations or undertakings regarding the treatment of any Tax-Related Items in connection with any aspect of the Option grant, including the grant, vesting or exercise of the Option, the subsequent sale of Shares acquired pursuant to such exercise and the receipt of any dividends; and (2) do not commit to structure the terms of the grant or any aspect of the Option to reduce or eliminate your liability for Tax-Related Items. You acknowledge that if you are subject to Tax-Related Items in more than one jurisdiction, the Company and/or the Employer may be required to withhold or account for Tax-Related Items in more than one jurisdiction.

Prior to exercise of the Option, you shall pay or make adequate arrangements satisfactory to the Company and/or the Employer to satisfy all withholding and payment on account obligations of the Company and/or the Employer. In this regard, you authorize the Company and/or the Employer to withhold all applicable Tax-Related Items legally payable by you from your wages or other cash compensation paid to you by the Company and/or the Employer. With the Company's consent, these arrangements may also include, if permissible under local law, (a) withholding Shares that otherwise would be issued to you when you exercise this Option, provided that the Company only withholds the amount of Shares necessary to satisfy the minimum statutory withholding amount, (b) having the Company withhold taxes from the proceeds of the sale of the Shares, either through a voluntary sale or through a mandatory sale arranged by the Company (on your behalf and you hereby authorize such sales by this authorization), (c) your payment of a cash amount, or (d) any other arrangement approved by the Company; all under such rules as may be established by the Committee and in compliance with the Company's Insider Trading Policy and 10b5-1 Trading Plan Policy, if applicable; provided however, that if you are a Section 16 officer of the Company under the Exchange Act, then the Committee (as constituted in accordance with Rule 16b-3 under the Exchange Act) shall establish the method of withholding from alternatives (a)-(d) above, and the Committee shall establish the method prior to the Tax-Related Items withholding event. The Fair Market Value of these Shares. determined as of the effective date of the Option exercise, will be applied as a credit against the withholding taxes. You shall pay to the Company or the Employer any amount of Tax-Related Items that the Company or the Employer may be required to withhold as a result of your participation in the Plan or your purchase of Shares that cannot be satisfied by the means previously described. Finally, you acknowledge that the Company has no obligation to deliver Shares to you until you have satisfied the obligations in connection with the Tax-Related Items as described in this Section.

**9.** <u>Acknowledgement</u>. The Company and you agree that the Option is granted under and governed by the Notice of Grant, this Agreement and the provisions of the Plan (incorporated herein by reference). You: (a) acknowledge receipt of a copy of the Plan and the Plan prospectus, (b) represent that you have carefully read and are familiar with their provisions, and (c) hereby accept the Option subject to all of the terms and conditions set forth herein and those set forth in the Plan and the Notice of Grant. You hereby agree to accept as binding, conclusive and final all decisions or interpretations of the Committee upon any questions relating to the Plan, the Notice of Grant and the Agreement.

10. Consent to Electronic Delivery of All Plan Documents and Disclosures. By your acceptance of this Option, you consent to the electronic delivery of the Notice of Grant, this Agreement, the Plan, account statements, Plan prospectuses required by the Securities and Exchange Commission, U.S. financial reports of the Company, and all other documents that the Company is required to deliver to its security holders (including, without limitation, annual reports and proxy statements) or other communications or information related to the Option. Electronic delivery may include the delivery of a link to a Company intranet or the internet site of a third party involved in administering the Plan, the delivery of the document via e-mail or such other delivery determined at the Company's discretion. You acknowledge that you may receive from the Company a paper copy of any documents delivered electronically at no cost if you contact the Company by telephone, through a postal service or electronic mail at notice@volitionrx.com. You further acknowledge that you will be provided with a paper copy of any documents delivered electronically if electronic delivery fails; similarly, you understand that you must provide on request to the Company or any designated third party a paper copy of any documents delivered electronically if electronic delivery fails. Also, you understand that your consent may be revoked or changed, including any change in the electronic mail address to which documents are delivered (if you have provided an electronic mail address), at any time by notifying the Company of such revised or revoked consent by telephone, postal service or electronic mail at notice@volitionrx.com. Finally, you understand that you are not required to consent to electronic delivery.

11. <u>Compliance with Laws and Regulations</u>. The exercise of this Option will be subject to and conditioned upon compliance by the Company and you with all applicable state, federal and foreign laws and regulations and with all applicable requirements of any stock exchange or automated quotation system on which the Company's Common Stock may be listed or quoted at the time of such issuance or transfer. The Shares issued pursuant to this Agreement shall be endorsed with appropriate legends, if any, determined by the Company.

12. <u>Governing Law: Severability</u>. If one or more provisions of this Agreement are held to be unenforceable under applicable law, the parties agree to renegotiate such provision in good faith. In the event that the parties cannot reach a mutually agreeable and enforceable replacement for such provision, then (a) such provision shall be excluded from this Agreement, (b) the balance of this Agreement shall be interpreted as if such provision were so excluded and (c) the balance of this Agreement shall be enforceable in accordance with its terms. This Agreement and all acts and transactions pursuant hereto and the rights and obligations of the parties hereto shall be governed, construed and interpreted in accordance with the laws of the State of Delaware, without giving effect to principles of conflicts of law. For purposes of litigating any dispute that may arise directly or indirectly from the Plan, the Notice and this Agreement, the parties hereby submit and consent to litigation in the exclusive jurisdiction of the State of New York and agree that any such litigation shall be conducted only in the courts of New York in New York County or the federal courts of the United States for the Southern District of New York and no other courts.

13. <u>No Rights as Employee, Director or Consultant</u>. Nothing in this Agreement shall affect in any manner whatsoever the right or power of the Company, or a Parent, Subsidiary or Affiliate of the Company, to terminate your Service, for any reason, with or without Cause.

**14.** <u>Adjustment</u>. In the event of a stock split, a stock dividend or a similar change in Company stock, the number of Shares covered by this Option and the exercise price per Share may be adjusted pursuant to the Plan.

**15.** Lock-Up Agreement. Upon request of the Company or the underwriters managing any underwritten offering of the Company's securities, you hereby agree not to sell, make any short sale of, loan, grant any Option for the purchase of, or otherwise dispose of any securities of the Company however and whenever acquired (other than those included in the registration) without the prior written consent of the Company or such underwriters, as the case may be, for such period of time (not to exceed one hundred eighty (180) days) from the effective date of such registration as may be requested by the Company or such managing underwriters and to execute an agreement reflecting the foregoing as may be requested by the underwriters at the time of the public offering; provided however that, if during the last seventeen (17) days of the restricted period the Company issues an earnings release or material news or a material event relating to the Company occurs, or prior to the expiration of the restricted period the Company announces that it will release earnings results during the sixteen (16)-day period beginning on the last day of the restricted period, then, upon the request of the managing underwriter, to the extent required by any FINRA rules, the restrictions imposed by this Section shall continue to apply until the end of the third trading day following the expiration of the fifteen (15)-day period beginning on the issuance of the earnings release or the occurrence of the material news or material event. In no event will the restricted period extend beyond two hundred sixteen (216) days after the effective date of the registration statement.

16. <u>Award Subject to Company Clawback or Recoupment</u>. To the extent permitted by applicable law, the Option shall be subject to clawback or recoupment pursuant to any compensation clawback or recoupment policy adopted by the Board or required by law during the term of your employment or other Service that is applicable to you. In addition to any other remedies available under such policy, applicable law may require the cancellation of your Option (whether vested or unvested) and the recoupment of any gains realized with respect to your Option.

17. <u>Entire Agreement; Enforcement of Rights</u>. This Agreement, the Plan and the Notice constitute the entire agreement and understanding of the parties relating to the subject matter herein and supersede all prior discussions between them. Any prior agreements, commitments or negotiations concerning this Option are superseded. No modification of or amendment to this Agreement, nor any waiver of any rights under this Agreement, shall be effective unless in writing and signed by the parties to this Agreement. The failure by either party to enforce any rights under this Agreement shall not be construed as a waiver of any rights of such party.

BY ACCEPTING THIS OPTION, YOU AGREE TO ALL OF THE TERMS AND CONDITIONS DESCRIBED ABOVE AND IN THE PLAN.



#### NOTICE OF RESTRICTED STOCK AWARD VOLITIONRX LIMITED 2015 STOCK INCENTIVE PLAN

Unless otherwise defined herein, the terms defined in the VolitionRx Limited (the "*Company*") 2015 Stock Incentive Plan (the "*Plan*") shall have the same meanings in this Notice of Restricted Stock Award (the "*Notice*") and the attached Restricted Stock Agreement (the "*Restricted Stock Agreement*"). You have been granted the opportunity to purchase Shares of the Company that are subject to restrictions (the "*Restricted Shares*") and the terms and conditions of the Plan, this Notice and the attached Restricted Stock Agreement.

Name:

Address:

Total Number of Restricted Shares Awarded:

Fair Market Value per Restricted Share:	\$
Total Fair Market Value of Award:	\$
Purchase Price per Restricted Share:	\$
Total Purchase Price for all Restricted Shares:	
Date of Grant:	
Vesting Commencement Date:	

Vesting Schedule:

**Additional Terms**:

# [INSERT VESTING SCHEDULE].

☐ If this box is checked, the additional terms and conditions set forth on <u>Attachment 1</u> hereto (as executed by the Company) are applicable and are incorporated herein by reference. No document need be attached as <u>Attachment 1</u> if the box is not checked.

You acknowledge that the vesting of the Restricted Shares pursuant to this Notice is earned only by continuing Service. By accepting the Restricted Shares, you and the Company agree that the Restricted Shares are granted under and governed by the terms and conditions of the Plan, the Notice and the Restricted Stock Agreement. You acknowledge and agree that the Vesting Schedule may change prospectively in the event that your Service status changes between full and part-time status in accordance with Company policies relating to work schedules and vesting of awards. You further acknowledge that the grant of the Restricted Shares or any other award(s) under the Plan or any other plan or program maintained by the Company or any Parent, Subsidiary or Affiliate of the Company. By accepting the Restricted Shares, you consent to electronic delivery as set forth in the Restricted Stock Agreement. If the Restricted Stock Agreement is not executed by you within thirty (30) days of the Company's delivery of this Agreement to you, then this grant shall be void.

### **PARTICIPANT:**

### VOLITIONRX LIMITED

Signature:	By:	
Print Name:	Name:	
	Its:	

### RESTRICTED STOCK AGREEMENT VOLITIONRX LIMITED 2015 STOCK INCENTIVE PLAN

THIS RESTRICTED STOCK AGREEMENT (this "*Agreement*") is made as of \_\_\_\_\_\_, 2015 by and between VolitionRx Limited, a Delaware corporation (the "*Company*"), and \_\_\_\_\_\_ ("*you*") pursuant to the Company's 2015 Stock Incentive Plan (the "*Plan*"). Unless otherwise defined herein, the terms defined in the Plan shall have the same meanings in this Agreement.

1. <u>Sale of Stock</u>. Subject to the terms and conditions of this Agreement, on the Purchase Date (as defined below) the Company will issue and sell to you, and you agree to purchase from the Company, the number of Shares shown on the Notice of Restricted Stock Award (the "*Notice*") at a purchase price of <u>\$</u>\_\_\_\_\_ per Share. The term "Shares" refers to the purchased Shares and all securities received in replacement of or in connection with the Shares pursuant to stock dividends or splits, all securities received in replacement of the Shares in a recapitalization, merger, reorganization, exchange or the like, and all new, substituted or additional securities or other properties to which you are entitled by reason of your ownership of the Shares.

2. <u>Time and Place of Purchase</u>. The purchase and sale of the Shares under this Agreement shall occur at the principal office of the Company simultaneously with the execution of this Agreement by the parties, or on such other date as the Company and you shall agree (the "*Purchase Date*"). On the Purchase Date, the Company will issue uncertificated shares designated for you in book entry form on the records of the Company's transfer agent, representing the Shares to be purchased by you against payment of the purchase price therefor by you by (a) check made payable to the Company, (b) cancellation of indebtedness of the Company to you, (c) your personal Services that the Committee has determined have already been or will be rendered to the Company, or (d) a combination of the foregoing.

3. <u>Restrictions on Resale</u>. By signing this Agreement, you agree not to sell any Shares acquired pursuant to the Plan and this Agreement at a time when applicable laws, regulations or Company or underwriter trading policies prohibit exercise or sale. This restriction will apply as long as you are providing Service to the Company or a Subsidiary of the Company.

3.1 <u>Repurchase Right on Termination Other Than for Cause</u>. For the purposes of this Agreement, a "*Repurchase Event*" shall mean an occurrence of one of the following:

- (a) termination of your Service, whether voluntary or involuntary and with or without cause;
- (b) your resignation, retirement or death; or
- (c) any attempted transfer by you of the Shares, or any interest therein, in violation of this Agreement.

Upon the occurrence of a Repurchase Event, the Company shall have the right (but not an obligation) to purchase your Shares at a price equal to the Purchase Price per Share (the "*Repurchase Right*"). The Repurchase Right shall lapse in accordance with the vesting schedule set forth in the Notice of Restricted Stock Award. For purposes of this Agreement, "*Unvested Shares*" means Stock pursuant to which the Company's Repurchase Right has not lapsed.

Exercise of Repurchase Right. Unless the Company provides written notice to you within 90 days from the date of 3.2 termination of your Service to the Company that the Company does not intend to exercise its Repurchase Right with respect to some or all of the Unvested Shares, the Repurchase Right shall be deemed automatically exercised by the Company as of the 90th day following such termination, provided that the Company may notify you that it is exercising its Repurchase Right as of a date prior to such 90th day. Unless you are otherwise notified by the Company pursuant to the preceding sentence that the Company does not intend to exercise its Repurchase Right as to some or all of the Unvested Shares, execution of this Agreement by you constitutes written notice to you of the Company's intention to exercise its Repurchase Right with respect to all Unvested Shares to which such Repurchase Right applies at the time of your termination of Service. The Company, at its choice, may satisfy its payment obligation to you with respect to exercise of the Repurchase Right by either (A) delivering a check to you in the amount of the purchase price for the Unvested Shares being repurchased, or (B) in the event you are indebted to the Company, canceling an amount of such indebtedness equal to the purchase price for the Unvested Shares being repurchased, or (C) by a combination of (A) and (B) so that the combined payment and cancellation of indebtedness equals such purchase price. In the event of any deemed automatic exercise of the Repurchase Right by canceling an amount of such indebtedness equal to the purchase price for the Unvested Shares being repurchased, such cancellation of indebtedness shall be deemed automatically to occur as of the 90th day following termination of your Service unless the Company otherwise satisfies its payment obligations. As a result of any repurchase of Unvested Shares pursuant to the Repurchase Right, the Company shall become the legal and beneficial owner of the Unvested Shares being repurchased and shall have all rights and interest therein or related thereto, and the Company shall have the right to transfer to its own name the number of Unvested Shares being repurchased by the Company, without further action by you.

3.3 <u>Acceptance of Restrictions</u>. Acceptance of the Shares shall constitute your agreement to such restrictions and the notation in the Company's direct registration system for stock issuance and transfer of such restrictions set forth in Section 4.1 with respect thereto. Notwithstanding such restrictions, however, so long as you are the holder of the Shares, or any portion thereof, he or she shall be entitled to receive all dividends declared on and to vote the Shares and to all other rights of a stockholder with respect thereto.

3.4 <u>Non-Transferability of Unvested Shares</u>. In addition to any other limitation on transfer created by applicable securities laws or any other agreement between the Company and you, you may not transfer any Unvested Shares, or any interest therein, unless consented to in writing by a duly authorized representative of the Company. Any purported transfer is void and of no effect, and no purported transferee thereof will be recognized as a holder of the Unvested Shares for any purpose whatsoever. Should such a transfer purport to occur, the Company may refuse to carry out the transfer on its books, set aside the transfer, or exercise any other legal or equitable remedy. In the event the Company consents to a transfer of Unvested Shares, all transferees of Shares or any interest therein will receive and hold such Shares or interest subject to the provisions of this Agreement, including, insofar as applicable, the Repurchase Right. In the event of any purchase by the Company hereunder where the Shares or interest you for consideration equal to the amount to be paid by the Company hereunder. In the event the Repurchase Right is deemed exercised by the Company, and payment of the purchase price by the Company to such transferee shall be deemed to satisfy your obligation to pay such transferee for such Shares or interest, and also to satisfy the Company's obligation to pay you for such Shares or interest.

3.5 <u>Assignment</u>. The Repurchase Right may be assigned by the Company in whole or in part to any persons or organization.

### 4. <u>Stop Transfer Orders.</u>

4.1 <u>Stop-Transfer Notices</u>. You agree that, in order to ensure compliance with the restrictions referred to herein, the Company may issue appropriate "stop transfer" instructions to its transfer agent, if any, and that, if the Company transfers its own securities, it may make appropriate notations to the same effect in its own records.

4.2 <u>Refusal to Transfer</u>. The Company shall not be required (a) to transfer on its books any Shares that have been sold or otherwise transferred in violation of any of the provisions of this Agreement or (b) to treat as the owner or to accord the right to vote or pay dividends to any purchaser or other transferree to whom such Shares shall have been so transferred.

5. <u>No Rights as Employee, Director or Consultant</u>. Nothing in this Agreement shall affect in any manner whatsoever the right or power of the Company, or a Parent, Subsidiary or Affiliate of the Company, to terminate your Service, for any reason, with or without Cause.

#### 6. <u>Miscellaneous</u>.

6.1 <u>Acknowledgement</u>. The Company and you agree that the Restricted Shares are granted under and governed by the Notice, this Agreement and the provisions of the Plan (incorporated herein by reference). You: (a) acknowledge receipt of a copy of the Plan and the Plan prospectus, (b) represent that you have carefully read and are familiar with their provisions, and (c) hereby accept the Restricted Shares subject to all of the terms and conditions set forth herein and those set forth in the Plan and the Notice. You hereby agree to accept as binding, conclusive and final all decisions or interpretations of the Committee upon any questions relating to the Plan, the Notice and the Restricted Stock Agreement.

6.2 <u>Entire Agreement: Enforcement of Rights</u>. This Agreement, the Plan and the Notice constitute the entire agreement and understanding of the parties relating to the subject matter herein and supersede all prior discussions between them. Any prior agreements, commitments or negotiations concerning the purchase of the Shares hereunder are superseded. No modification of or amendment to this Agreement, nor any waiver of any rights under this Agreement, shall be effective unless in writing and signed by the parties to this Agreement. The failure by either party to enforce any rights under this Agreement shall not be construed as a waiver of any rights of such party.

6.3 <u>Compliance with Laws and Regulations</u>. The issuance of Shares will be subject to and conditioned upon compliance by the Company and you with all applicable state, federal and foreign laws and regulations and with all applicable requirements of any stock exchange or automated quotation system on which the Company's Common Stock may be listed or quoted at the time of such issuance or transfer. The Shares issued pursuant to this Agreement shall be endorsed with appropriate legends, if any, determined by the Company.

6.4 <u>Governing Law; Severability</u>. If one or more provisions of this Agreement are held to be unenforceable under applicable law, the parties agree to renegotiate such provision in good faith. In the event that the parties cannot reach a mutually agreeable and enforceable replacement for such provision, then (a) such provision shall be excluded from this Agreement, (b) the balance of this Agreement shall be interpreted as if such provision were so excluded and (c) the balance of this Agreement shall be enforceable in accordance with its terms. This Agreement and all acts and transactions pursuant hereto and the rights and obligations of the parties hereto shall be governed, construed and interpreted in accordance with the laws of the State of Delaware, without giving effect to principles of conflicts of law. For purposes of litigating any dispute that may arise directly or indirectly from the Plan, the Notice and this Agreement, the parties hereby submit and consent to litigation in the exclusive jurisdiction of the State of New York and agree that any such litigation shall be conducted only in the courts of New York in New York County or the federal courts of the United States for the Southern District of New York and no other courts.

6.5 <u>Construction</u>. This Agreement is the result of negotiations between and has been reviewed by each of the parties hereto and their respective counsel, if any; accordingly, this Agreement shall be deemed to be the product of all of the parties hereto, and no ambiguity shall be construed in favor of or against any one of the parties hereto.

6.6 <u>Notices</u>. Any notice to be given under the terms of the Plan shall be addressed to the Company in care of its principal office, and any notice to be given to you shall be addressed to you at the address maintained by the Company for such person or at such other address as you may specify in writing to the Company.

6.7 <u>Counterparts</u>. This Agreement may be executed in two or more counterparts, each of which shall he deemed an original and all of which together shall constitute one instrument.

6.8 <u>U.S. Tax Consequences</u>. Unless an Election (defined below) is made, upon vesting of Shares, you will include in taxable income the difference between the fair market value of the vesting Shares, as determined on the date of their vesting, and the price paid for the Shares. This will be treated as ordinary income by you and will be subject to withholding by the Company when required by applicable law. In the absence of an Election, the Company shall satisfy the withholding requirements as set forth in Section 7 below. If you make an Election, then you must, prior to making the Election, pay in cash (or check) to the Company an amount equal to the amount the Company is required to withhold for income and employment taxes.

7. <u>Withholding Taxes and Stock Withholding</u>. Regardless of any action the Company or your actual employer (the "*Employer*") takes with respect to any or all income tax, social insurance, payroll tax, payment on account or other tax-related withholding ("*Tax-Related Items*"), you acknowledge that the ultimate liability for all Tax-Related Items legally due by you is and remains your responsibility and that the Company and/or the Employer (1) make no representations or undertakings regarding the treatment of any Tax-Related Items in connection with any aspect of the Shares received under this award, including the award or vesting of such Shares, the subsequent sale of Shares under this award and the receipt of any dividends; and (2) do not commit to structure the terms of the award or any aspect of the Restricted Shares to reduce or eliminate your liability for Tax-Related Items. You acknowledge that if you are subject to Tax-Related Items in more than one jurisdiction, the Company and/or the Employer may be required to withhold or account for Tax-Related Items in more than one jurisdiction.

The Company will only recognize you as a record holder of Shares if you have paid or made adequate arrangements satisfactory to the Company and/or the Employer to satisfy all withholding and payment on account obligations of the Company and/or the Employer. In this regard, you authorize the Company and/or the Employer to withhold all applicable Tax-Related Items legally payable by you from your wages or other cash compensation paid to you by the Company and/or the Employer. With the Company's consent, these arrangements may also include, if permissible under local law, (a) withholding Shares that otherwise would be released from the Repurchase Right when they vest, provided that the Company only withholds the amount of Shares necessary to satisfy the minimum statutory withholding amount, (b) having the Company withhold taxes from the proceeds of the sale of the Shares, either through a voluntary sale or through a mandatory sale arranged by the Company (on your behalf and you hereby authorize such sales by this authorization), (c) your payment of a cash amount, or (d) any other arrangement approved by the Company; all under such rules as may be established by the Committee and in compliance with the Company's Insider Trading Policy and 10b5-1 Trading Plan Policy, if applicable; provided however, that if you are a Section 16 officer of the Company under the Exchange Act, then the Committee (as constituted in accordance with Rule 16b-3 under the Exchange Act) shall establish the method of withholding from alternatives (a)-(d) above, and the Committee shall establish the method prior to the Tax-Related Items withholding event. The Fair Market Value of these Shares, determined as of the effective date when taxes otherwise would have been withheld in cash, will be applied as a credit against the withholding taxes. You shall pay to the Company or the Employer any amount of Tax-Related Items that the Company or the Employer may be required to withhold as a result of your participation in the Plan or your purchase of Shares that cannot be satisfied by the means previously described. Finally, you acknowledge that the Company has no obligation to deliver Shares to you until you have satisfied the obligations in connection with the Tax-Related Items as described in this Section.

8. <u>Section 83(b) Election</u>. You hereby acknowledges that you have been informed that, with respect to the purchase of the Shares, an election may be filed by you with the Internal Revenue Service, within 30 days of the purchase of the Shares, electing pursuant to Section 83(b) of the Code to be taxed currently on any difference between the purchase price of the Shares and their Fair Market Value on the date of purchase (the "*Election*"). Making the Election will result in recognition of taxable income to you on the date of purchase, measured by the excess, if any, of the Fair Market Value of the Shares over the purchase price for the Shares. Absent such an Election, taxable income will be measured and recognized by you at the time or times on which the Company's Repurchase Right lapses. You are strongly encouraged to seek the advice of his or her own tax consultants in connection with the purchase of the Shares and the advisability of filing of the Election. YOU ACKNOWLEDGE THAT IT IS SOLELY YOUR RESPONSIBILITY, AND NOT THE COMPANY'S RESPONSIBILITY, TO TIMELY FILE THE ELECTION UNDER SECTION 83(b) OF THE CODE, EVEN IF YOU REQUEST THE COMPANY, OR ITS REPRESENTATIVE, TO MAKE THIS FILING ON YOUR BEHALF.

9. Consent to Electronic Delivery of All Plan Documents and Disclosures. By acceptance of this Restricted Stock Award, you consent to the electronic delivery of the Notice, this Agreement, the Plan, account statements, Plan prospectuses required by the Securities and Exchange Commission, U.S. financial reports of the Company, and all other documents that the Company is required to deliver to its security holders (including, without limitation, annual reports and proxy statements) or other communications or information related to the Restricted Stock Award. Electronic delivery may include the delivery of a link to a Company intranet or the internet site of a third party involved in administering the Plan, the delivery of the document via e-mail or such other delivery determined at the Company's discretion. You acknowledge that you may receive from the Company a paper copy of any documents delivered electronically at no cost if you contact the Company by telephone, through a postal service or electronic mail at notice@volitionrx.com. You further acknowledge that you will be provided with a paper copy of any documents delivered electronically if electronic delivery fails; similarly, you understand that you must provide on request to the Company or any designated third party a paper copy of any documents delivered electronically if electronic delivery fails. Also, you understand that your consent may be revoked or changed, including any change in the electronic mail address to which documents are delivered (if you have provided an electronic mail address), at any time by notifying the Company of such revised or revoked consent by telephone, postal service or electronic mail at notice@volitionrx.com. Finally, you understand that you are not required to consent to electronic delivery.

**10.** <u>Adjustment</u>. In the event of a stock split, a stock dividend or a similar change in Company stock, the number of Shares covered by the Restricted Stock Award and the purchase price per share may be adjusted pursuant to the Plan.

11. <u>Award Subject to Company Clawback or Recoupment</u>. To the extent permitted by applicable law, the Shares shall be subject to clawback or recoupment pursuant to any compensation clawback or recoupment policy adopted by the Board or required by law during the term of your employment or other Service with the Company that is applicable to you. In addition to any other remedies available under such policy, applicable law may require the cancellation of your Shares (whether vested or unvested) and the recoupment of any gains realized with respect to your Shares.

BY ACCEPTING THIS RESTRICTED STOCK AWARD, YOU AGREE TO ALL OF THE TERMS AND CONDITIONS DESCRIBED ABOVE AND IN THE PLAN.

The parties have executed this Agreement as of the date first set forth above.

# VOLITIONRX LIMITED

By:		
Name:		
Its:		
RECIPIENT:		
Signature:		
Print Name:		

### NOTICE OF STOCK BONUS AWARD VOLITIONRX LIMITED 2015 STOCK INCENTIVE PLAN

Unless otherwise defined herein, the terms defined in the VolitionRx Limited (the "*Company*") 2015 Stock Incentive Plan (the "*Plan*") shall have the same meanings in this Notice of Stock Bonus Award (the "*Notice*") and the attached Stock Bonus Award Agreement (the "*Stock Bonus Agreement*"). You have been granted an award of Shares under the Plan (the "*Stock Bonus Award*") subject to the terms and conditions of the Plan, this Notice and the attached Stock Bonus Agreement.

Name:

Address:

Number of Shares:

Date of Grant:

 Vesting Commencement Date:
 [INSERT DATE HERE].

 Vesting Schedule:
 [INSERT VESTING SCHEDULE HERE].

You acknowledge that the vesting of the Shares pursuant to this Notice is earned only by continuing Service. By accepting this Stock Bonus Award, you and the Company agree that this Stock Bonus Award is granted under and governed by the terms and conditions of the Plan, the Notice and the Stock Bonus Agreement. You acknowledge and agree that the Vesting Schedule may change prospectively in the event that your Service status changes between full and part-time status in accordance with Company policies relating to work schedules and vesting of awards. You further acknowledge that the grant of this Stock Bonus Award by the Company is at the Company's sole discretion, and does not entitle you to further grant(s) of Stock Bonus Award(s) or any other award(s) under the Plan or any other plan or program maintained by the Company or any Parent, Subsidiary or affiliate of the Company. By accepting this Stock Bonus Award, you consent to electronic delivery as set forth in the Stock Bonus Agreement.

### **PARTICIPANT:**

### **VOLITIONRX LIMITED**

Signature:	
Print Name:	

By:	
Name:	
Its:	

### STOCK BONUS AWARD AGREEMENT VOLITIONRX LIMITED 2015 STOCK INCENTIVE PLAN

You have been granted a Stock Bonus Award ("*Stock Bonus Award*") by VolitionRx Limited (the "*Company*"), subject to the terms, restrictions and conditions of the Plan, the Notice of Stock Bonus Award (the "*Notice*") and this Stock Bonus Award Agreement (this "*Agreement*").

1. <u>Issuance</u>. Your Stock Bonus Award shall be issued in Shares, and the Company's transfer agent shall record ownership of such Shares in your name as soon as reasonably practicable.

2. <u>No Stockholder Rights</u>. Unless and until you are recorded as the holder of such Shares on the stock records of the Company and its transfer agent, you shall have no right to dividends or to vote Shares.

3. <u>No Transfer</u>. In addition to any other limitation on transfer created by applicable securities laws or any other agreement between the Company and you, you may not transfer any Unvested Shares, or any interest therein, unless consented to in writing by a duly authorized representative of the Company. Any purported transfer is void and of no effect, and no purported transferee thereof will be recognized as a holder of the Unvested Shares for any purpose whatsoever. Should such a transfer purport to occur, the Company may refuse to carry out the transfer on its books, set aside the transfer, or exercise any other legal or equitable remedy. In the event the Company consents to a transfer of Unvested Shares, all transferees of Shares or any interest therein will receive and hold such Shares or interest subject to the provisions of this Agreement. "Unvested Shares" are Shares that have not yet vested pursuant to the terms of the vesting schedule set forth in the Notice.

4. <u>Termination</u>. If your Service terminates for any reason, all Unvested Shares shall immediately be forfeited to the Company, and all rights you have to such Unvested Shares shall immediately terminate. In case of any dispute as to whether a termination of Service has occurred, the Committee shall have sole discretion to determine whether such termination has occurred and the effective date of such termination.

5. <u>Construction</u>. This Agreement is the result of negotiations between and has been reviewed by each of the parties hereto and their respective counsel, if any; accordingly, this Agreement shall be deemed to be the product of all of the parties hereto, and no ambiguity shall be construed in favor of or against any one of the parties hereto.

6. <u>Notices</u>. Any notice to be given under the terms of the Plan shall be addressed to the Company in care of its principal office, and any notice to be given to you shall be addressed to you at the address maintained by the Company for such person or at such other address as you may specify in writing to the Company.

7. <u>Counterparts</u>. This Agreement may be executed in two or more counterparts, each of which shall he deemed an original and all of which together shall constitute one instrument.

**8.** <u>**Tax Consequences.**</u> YOU SHOULD CONSULT A TAX ADVISER BEFORE ACQUIRING THE SHARES IN THE JURISDICTION IN WHICH YOU ARE SUBJECT TO TAX. Shares shall not be issued under this Agreement unless you make arrangements acceptable to the Company to pay any withholding taxes that may be due as a result of the acquisition or vesting of Shares.

(a) <u>U.S. Tax Consequences</u>. Upon vesting of Shares, you will include in taxable income the difference between the fair market value of the vesting Shares, as determined on the date of their vesting. This will be treated as ordinary income by you and will be subject to withholding by the Company when required by applicable law. The Company shall satisfy the withholding requirements as set forth in Section 9 below.

9. <u>Withholding Taxes and Stock Withholding</u>. Regardless of any action the Company or your actual employer (the "*Employer*") takes with respect to any or all income tax, social insurance, payroll tax, payment on account or other tax-related withholding ("*Tax-Related Items*"), you acknowledge that the ultimate liability for all Tax-Related Items legally due by you is and remains your responsibility and that the Company and/or the Employer (1) make no representations or undertakings regarding the treatment of any Tax-Related Items in connection with any aspect of the award, including the award or vesting of such Shares, the subsequent sale of Shares under this award and the receipt of any dividends; and (2) do not commit to structure the terms of the award to reduce or eliminate your liability for Tax-Related Items. You acknowledge that if you are subject to Tax-Related Items in more than one jurisdiction, the Company and/or the Employer may be required to withhold or account for Tax-Related Items in more than one jurisdiction.

The Company will only recognize you as a record holder of Shares if you have paid or made adequate arrangements satisfactory to the Company and/or the Employer to satisfy all withholding and payment on account obligations of the Company and/or the Employer. In this regard, you authorize the Company and/or the Employer to withhold all applicable Tax-Related Items legally payable by you from your wages or other cash compensation paid to you by the Company and/or the Employer. With the Company's consent, these arrangements may also include, if permissible under local law, (a) withholding Shares that otherwise would be released when they vest, provided that the Company only withholds the amount of Shares necessary to satisfy the minimum statutory withholding amount, (b) having the Company withhold taxes from the proceeds of the sale of the Shares, either through a voluntary sale or through a mandatory sale arranged by the Company (on your behalf and you hereby authorize such sales by this authorization), (c) your payment of a cash amount, or (d) any other arrangement approved by the Company; all under such rules as may be established by the Committee and in compliance with the Company's Insider Trading Policy and 10b5-1 Trading Plan Policy, if applicable; provided however, that if you are a Section 16 officer of the Company under the Exchange Act, then the Committee (as constituted in accordance with Rule 16b-3 under the Exchange Act) shall establish the method of withholding from alternatives (a)-(d) above, and the Committee shall establish the method prior to the Tax-Related Items withholding event. The Fair Market Value of these Shares, determined as of the effective date when taxes otherwise would have been withheld in cash, will be applied as a credit against the withholding taxes. You shall pay to the Company or the Employer any amount of Tax-Related Items that the Company or the Employer may be required to withhold as a result of your participation in the Plan or your purchase of Shares that cannot be satisfied by the means previously described. Finally, you acknowledge that the Company has no obligation to deliver Shares to you until you have satisfied the obligations in connection with the Tax-Related Items as described in this Section.

**10.** <u>Acknowledgement</u>. The Company and you agree that the Stock Bonus Award is granted under and governed by the Notice, this Agreement and the provisions of the Plan (incorporated herein by reference). You: (a) acknowledge receipt of a copy of the Plan and the Plan prospectus, (b) represent that you have carefully read and are familiar with their provisions, and (c) hereby accept the Stock Bonus Award subject to all of the terms and conditions set forth herein and those set forth in the Plan and the Notice. You hereby agree to accept as binding, conclusive and final all decisions or interpretations of the Committee upon any questions relating to the Plan, the Notice and the Stock Bonus Award.

11. <u>Entire Agreement; Enforcement of Rights</u>. This Agreement, the Plan and the Notice constitute the entire agreement and understanding of the parties relating to the subject matter herein and supersede all prior discussions between them. Any prior agreements, commitments or negotiations concerning the purchase of the Shares hereunder are superseded. No modification of or amendment to this Agreement, nor any waiver of any rights under this Agreement, shall be effective unless in writing and signed by the parties to this Agreement. The failure by either party to enforce any rights under this Agreement shall not be construed as a waiver of any rights of such party.

12. <u>Compliance with Laws and Regulations</u>. The issuance of Shares will be subject to and conditioned upon compliance by the Company and you with all applicable state, federal and foreign laws and regulations and with all applicable requirements of any stock exchange or automated quotation system on which the Company's Common Stock may be listed or quoted at the time of such issuance or transfer. The Shares issued pursuant to this Agreement shall be endorsed with appropriate legends, if any, determined by the Company.

13. <u>Governing Law; Severability</u>. If one or more provisions of this Agreement are held to be unenforceable under applicable law, the parties agree to renegotiate such provision in good faith. In the event that the parties cannot reach a mutually agreeable and enforceable replacement for such provision, then (a) such provision shall be excluded from this Agreement, (b) the balance of this Agreement shall be interpreted as if such provision were so excluded and (c) the balance of this Agreement shall be enforceable in accordance with its terms. This Agreement and all acts and transactions pursuant hereto and the rights and obligations of the parties hereto shall be governed, construed and interpreted in accordance with the laws of the State of Delaware, without giving effect to principles of conflicts of law. For purposes of litigating any dispute that may arise directly or indirectly from the Plan, the Notice and this Agreement, the parties hereby submit and consent to litigation in the exclusive jurisdiction of the State of New York and agree that any such litigation shall be conducted only in the courts of New York in New York County or the federal courts of the United States for the Southern District of New York and no other courts.

14. <u>No Rights as Employee, Director or Consultant</u>. Nothing in this Agreement shall affect in any manner whatsoever the right or power of the Company, or a Parent, Subsidiary or Affiliate of the Company, to terminate your Service, for any reason, with or without Cause.

15. Consent to Electronic Delivery of All Plan Documents and Disclosures. By acceptance of this Stock Bonus Award, you consent to the electronic delivery of the Notice, this Agreement, the Plan, account statements, Plan prospectuses required by the Securities and Exchange Commission, U.S. financial reports of the Company, and all other documents that the Company is required to deliver to its security holders (including, without limitation, annual reports and proxy statements) or other communications or information related to the Stock Bonus Award. Electronic delivery may include the delivery of a link to a Company intranet or the internet site of a third party involved in administering the Plan, the delivery of the document via e-mail or such other delivery determined at the Company's discretion. You acknowledge that you may receive from the Company a paper copy of any documents delivered electronically at no cost if you contact the Company by telephone, through a postal service or electronic mail at notice@volitionrx.com. You further acknowledge that you will be provided with a paper copy of any documents delivered electronically if electronic delivery fails; similarly, you understand that you must provide on request to the Company or any designated third party a paper copy of any documents delivered electronically if electronic delivery fails. Also, you understand that your consent may be revoked or changed, including any change in the electronic mail address to which documents are delivered (if you have provided an electronic mail address), at any time by notifying the Company of such revised or revoked consent by telephone, postal service or electronic mail at notice@volitionrx.com. Finally, you understand that you are not required to consent to electronic delivery.

16. <u>Adjustment</u>. In the event of a stock split, a stock dividend or a similar change in Company stock, the number of Shares covered by the Stock Bonus Award may be adjusted pursuant to the Plan.

17. <u>Award Subject to Company Clawback or Recoupment</u>. To the extent permitted by applicable law, the Stock Bonus Award shall be subject to clawback or recoupment pursuant to any compensation clawback or recoupment policy adopted by the Board or required by law during the term of your employment or other Service with the Company that is applicable to you. In addition to any other remedies available under such policy, applicable law may require the cancellation of your Stock Bonus Award (whether vested or unvested) and the recoupment of any gains realized with respect to your Stock Bonus Award.

BY ACCEPTING THE STOCK BONUS AWARD, YOU AGREE TO ALL OF THE TERMS AND CONDITIONS DESCRIBED ABOVE AND IN THE PLAN.

### NOTICE OF STOCK APPRECIATION RIGHT AWARD VOLITIONRX LIMITED 2015 STOCK INCENTIVE PLAN

Unless otherwise defined herein, the terms defined in the VolitionRx Limited (the "*Company*") 2015 Stock Incentive Plan (the "*Plan*") shall have the same meanings in this Notice of Stock Appreciation Right Award (the "*Notice of Grant*") and the attached Stock Appreciation Right Agreement (the "*SAR Agreement*"). You have been granted an award of Stock Appreciation Rights (the "*SAR*") of the Company under the Plan subject to the terms and conditions of the Plan, this Notice of Grant and the SAR Agreement.

Name:

Address:

Date of Grant:

Vesting Commencement Date:

Fair Market Value on Date of Grant:

Total Number of Shares:

**Expiration Date**:

Vesting Schedule:

# [INSERT VESTING SCHEDULE].

You acknowledge that the vesting of the SAR pursuant to this Notice of Grant is earned only by continuing Service. By accepting the SAR, you and the Company agree that the SAR is granted under and governed by the terms and conditions of the Plan, the Notice of Grant and the SAR Agreement. You acknowledge and agree that the Vesting Schedule may change prospectively in the event that your Service status changes between full and part-time status in accordance with Company policies relating to work schedules and vesting of awards. You further acknowledge that the grant of this SAR by the Company is at the Company's sole discretion, and does not entitle you to further grant(s) of SAR(s) or any other award(s) under the Plan or any other plan or program maintained by the Company or any Parent, Subsidiary or Affiliate of the Company. By accepting the SAR, you consent to electronic delivery as set forth in the SAR Agreement.

# **PARTICIPANT:**

### VOLITIONRX LIMITED

Signature:	By:	
Print Name:	Name:	
	Its:	

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### STOCK APPRECIATION RIGHT AWARD AGREEMENT VOLITIONRX LIMITED 2015 STOCK INCENTIVE PLAN

You have been granted an award of Stock Appreciation Rights (the "*SAR*") by VolitionRx Limited (the "*Company*") under the 2015 Stock Incentive Plan (the "*Plan*"), subject to the terms and conditions of the Plan, the Notice of Stock Appreciation Right Award (the "*Notice of Grant*") and this Stock Appreciation Right Agreement (the "*Agreement*").

1. <u>Grant of SAR</u>. You have been granted a SAR for the number of Shares set forth in the Notice of Grant at the fair market value set forth in the Notice of Grant. In the event of a conflict between the terms and conditions of the Plan and the terms and conditions of this Agreement, the terms and conditions of the Plan shall prevail.

# 2. <u>Termination Period</u>.

2.1 <u>General Rule</u>. If your Service terminates for any reason except death or Disability, and other than for Cause, then this SAR will expire at the close of business at Company headquarters on the date three (3) months after your termination of Service (subject to the expiration detailed in Section 6). In no event shall this SAR be exercised later than the Expiration Date set forth in the Notice of Grant. If your Service is terminated for Cause, this SAR will expire upon the date of such termination. The Company determines when your Service terminates for all purposes under this Agreement.

2.2 <u>Death; Disability</u>. If you die before your Service terminates (or you die within three (3) months of your termination of Service to the Company other than for Cause), then this SAR will expire at the close of business at Company headquarters on the date twelve (12) months after the date of death (subject to the expiration detailed in Section 6). If your Service terminates because of your Disability, then this SAR will expire at the close of business at Company headquarters on the date twelve (12) months after your termination date (subject to the expiration detailed in Section 6).

2.3 <u>No Notice</u>. You are responsible for keeping track of these exercise periods following your termination of Service for any reason. The Company will not provide further notice of such periods. In no event shall this SAR be exercised later than the Expiration Date set forth in the Notice of Grant.

3. <u>Vesting Rights</u>. Subject to the applicable provisions of the Plan and this Agreement, this SAR may be exercised, in whole or in part, in accordance with the schedule set forth in the Notice of Grant.

# 4. <u>Exercise of SAR</u>.

4.1 <u>Right to Exercise</u>. This SAR is exercisable during its term in accordance with the Vesting Schedule set forth in the Notice of Grant and the applicable provisions of the Plan and this Agreement. In the event of your death, Disability, or other cessation of Service, the exercisability of the SAR is governed by the applicable provisions of the Plan, the Notice of Grant and this Agreement. This SAR may not be exercised for a fraction of a Share.

4.2 <u>Method of Exercise</u>. This SAR is exercisable by delivery of an exercise notice in a form specified by the Company (the "Exercise Notice"), which shall state the election to exercise the SAR, the number of Shares in respect of which the SAR is being exercised (the "Exercised Shares"), and such other representations and agreements as may be required by the Company pursuant to the provisions of the Plan. The Exercise Notice shall be delivered in person, by mail, via electronic mail or facsimile or by other authorized method to the Secretary of the Company or other person designated by the Company. This SAR shall be deemed to be exercised upon receipt by the Company of a fully executed Exercise Notice and any applicable tax withholding due upon exercise of the SAR.

4.3 No Shares shall be issued pursuant to the exercise of this SAR unless such issuance and exercise complies with all relevant provisions of law and the requirements of any stock exchange or quotation service upon which the Shares are then listed. Assuming such compliance, for income tax purposes the Exercised Shares shall be considered transferred to you on the date the SAR is exercised with respect to such Exercised Shares.

5. <u>Non-Transferability of SAR</u>. This SAR may not be transferred in any manner other than by will or by the laws of descent or distribution or court order and may be exercised during your lifetime only by you unless otherwise permitted by the Committee on a case-by-case basis. The terms of the Plan and this Agreement shall be binding upon your executors, administrators, heirs, successors and assign.

6. <u>Term of SAR</u>. This SAR shall in any event expire on the expiration date set forth in the Notice of Grant, which date is ten (10) years after the Date of Grant.

7. <u>Tax Consequences</u>. You should consult a tax adviser for tax consequences relating to this SAR in the jurisdiction in which you are subject to tax. YOU SHOULD CONSULT A TAX ADVISER BEFORE EXERCISING THIS SAR OR DISPOSING OF THE SHARES. If you are an Employee or a former Employee, the Company may be required to withhold from your compensation an amount equal to the minimum amount the Company is required to withhold for income and employment taxes or collect from you and pay to the applicable taxing authorities an amount in cash equal to a percentage of this compensation income at the time of exercise.

8. <u>Withholding Taxes and Stock Withholding</u>. Regardless of any action the Company or your actual employer (the "*Employer*") takes with respect to any or all income tax, social insurance, payroll tax, payment on account or other tax-related withholding ("*Tax-Related Items*"), you acknowledge that the ultimate liability for all Tax-Related Items legally due by you is and remains your responsibility and that the Company and/or the Employer (1) make no representations or undertakings regarding the treatment of any Tax-Related Items in connection with any aspect of the SAR, including the grant, vesting or exercise of the SAR, the subsequent sale of Shares acquired pursuant to such exercise and the receipt of any dividends; and (2) do not commit to structure the terms of the grant or any aspect of the SAR to reduce or eliminate your liability for Tax-Related Items. You acknowledge that if you are subject to Tax-Related Items in more than one jurisdiction, the Company and/or the Employer may be required to withhold or account for Tax-Related Items in more than one jurisdiction.

Prior to exercise of the SAR, you shall pay or make adequate arrangements satisfactory to the Company and/or the Employer to satisfy all withholding and payment on account obligations of the Company and/or the Employer. In this regard, you authorize the Company and/or the Employer to withhold all applicable Tax-Related Items legally payable by you from your wages or other cash compensation paid to you by the Company and/or the Employer. With the Company's consent, these arrangements may also include, if permissible under local law, (a) withholding Shares that otherwise would be issued to you when you exercise this SAR, provided that the Company only withholds the amount of Shares necessary to satisfy the minimum statutory withholding amount, (b) having the Company withhold taxes from the proceeds of the sale of the Shares, either through a voluntary sale or through a mandatory sale arranged by the Company (on your behalf and you hereby authorize such sales by this authorization), (c) your payment of a cash amount, or (d) any other arrangement approved by the Company; all under such rules as may be established by the Committee and in compliance with the Company's Insider Trading Policy and 10b5-1 Trading Plan Policy, if applicable; provided however, that if you are a Section 16 officer of the Company under the Exchange Act, then the Committee (as constituted in accordance with Rule 16b-3 under the Exchange Act) shall establish the method of withholding from alternatives (a)-(d) above, and the Committee shall establish the method prior to the Tax-Related Items withholding event. The Fair Market Value of these Shares, determined as of the effective date of the SAR exercise, will be applied as a credit against the withholding taxes. You shall pay to the Company or the Employer any amount of Tax-Related Items that the Company or the Employer may be required to withhold as a result of your participation in the Plan or your purchase of Shares that cannot be satisfied by the means previously described. Finally, you acknowledge that the Company has no obligation to honor the exercise or deliver Shares to you until you have satisfied the obligations in connection with the Tax-Related Items as described in this Section.

**9.** <u>Acknowledgement</u>. The Company and you agree that the SAR is granted under and governed by the Notice of Grant, this Agreement and the provisions of the Plan (incorporated herein by reference). You: (a) acknowledge receipt of a copy of the Plan and the Plan prospectus, (b) represent that you have carefully read and are familiar with their provisions, and (c) hereby accept the SAR subject to all of the terms and conditions set forth herein and those set forth in the Plan and the Notice of Grant. You hereby agree to accept as binding, conclusive and final all decisions or interpretations of the Committee upon any questions relating to the Plan, the Notice of Grant and the SAR Agreement.

10. <u>Entire Agreement; Enforcement of Rights</u>. This Agreement, the Plan and the Notice of Grant constitute the entire agreement and understanding of the parties relating to the subject matter herein and supersede all prior discussions between them. Any prior agreements, commitments or negotiations concerning the purchase of the Shares hereunder are superseded. No modification of or amendment to this Agreement, nor any waiver of any rights under this Agreement, shall be effective unless in writing and signed by the parties to this Agreement. The failure by either party to enforce any rights under this Agreement shall not be construed as a waiver of any rights of such party.

11. <u>Compliance with Laws and Regulations</u>. The issuance of Shares will be subject to and conditioned upon compliance by the Company and you with all applicable state, federal and foreign laws and regulations and with all applicable requirements of any stock exchange or automated quotation system on which the Company's Common Stock may be listed or quoted at the time of such issuance or transfer. The Shares issued pursuant to this Agreement shall be endorsed with appropriate legends, if any, determined by the Company.

12. <u>Governing Law: Severability</u>. If one or more provisions of this Agreement are held to be unenforceable under applicable law, the parties agree to renegotiate such provision in good faith. In the event that the parties cannot reach a mutually agreeable and enforceable replacement for such provision, then (a) such provision shall be excluded from this Agreement, (b) the balance of this Agreement shall be interpreted as if such provision were so excluded and (c) the balance of this Agreement shall be enforceable in accordance with its terms. This Agreement and all acts and transactions pursuant hereto and the rights and obligations of the parties hereto shall be governed, construed and interpreted in accordance with the laws of the State of Delaware, without giving effect to principles of conflicts of law. For purposes of litigating any dispute that may arise directly or indirectly from the Plan, the Notice of Grant and this Agreement, the parties hereby submit and consent to litigation in the exclusive jurisdiction of the State of New York and agree that any such litigation shall be conducted only in the courts of New York in New York County or the federal courts of the United States for the Southern District of New York and no other courts.

13. <u>No Rights as Employee, Director or Consultant</u>. Nothing in this Agreement shall affect in any manner whatsoever the right or power of the Company, or a Parent, Subsidiary or Affiliate of the Company, to terminate your Service, for any reason, with or without Cause.

14. Consent to Electronic Delivery of All Plan Documents and Disclosures. By your acceptance of this SAR, you consent to the electronic delivery of the Notice of Grant, this Agreement, the Plan, account statements, Plan prospectuses required by the Securities and Exchange Commission, U.S. financial reports of the Company, and all other documents that the Company is required to deliver to its security holders (including, without limitation, annual reports and proxy statements) or other communications or information related to the SAR. Electronic delivery may include the delivery of a link to a Company intranet or the internet site of a third party involved in administering the Plan, the delivery of the document via e-mail or such other delivery determined at the Company's discretion. You acknowledge that you may receive from the Company a paper copy of any documents delivered electronically at no cost if you contact the Company by telephone, through a postal service or electronic mail at notice@volitionrx.com. You further acknowledge that you will be provided with a paper copy of any documents delivered electronically if electronic delivery fails; similarly, you understand that you must provide on request to the Company or any designated third party a paper copy of any documents delivered electronically if electronic delivery fails. Also, you understand that your consent may be revoked or changed, including any change in the electronic mail address to which documents are delivered (if you have provided an electronic mail address), at any time by notifying the Company of such revised or revoked consent by telephone, postal service or electronic mail at notice@volitionrx.com. Finally, you understand that you are not required to consent to electronic delivery.

**15.** <u>Adjustment</u>. In the event of a stock split, a stock dividend or a similar change in Company stock, the number of Shares covered by this SAR and the exercise price per Share may be adjusted pursuant to the Plan.

16. Lock-Up Agreement. Upon request of the Company or the underwriters managing any underwritten offering of the Company's securities, you hereby agree not to sell, make any short sale of, loan, grant any option for the purchase of, or otherwise dispose of any securities of the Company however and whenever acquired (other than those included in the registration) without the prior written consent of the Company or such underwriters, as the case may be, for such period of time (not to exceed one hundred eighty (180) days) from the effective date of such registration as may be requested by the Company or such managing underwriters and to execute an agreement reflecting the foregoing as may be requested by the underwriters at the time of the public offering; provided however that, if during the last seventeen (17) days of the restricted period the Company issues an earnings release or material news or a material event relating to the Company occurs, or prior to the expiration of the restricted period the Company announces that it will release earnings results during the sixteen (16)-day period beginning on the last day of the restricted period, then, upon the request of the managing underwriter, to the extent required by any FINRA rules, the restrictions imposed by this Section shall continue to apply until the end of the third trading day following the expiration of the fifteen (15)-day period beginning on the issuance of the earnings release or the occurrence of the material news or material event. In no event will the restricted period extend beyond two hundred sixteen (216) days after the effective date of the registration statement.

17. <u>Award Subject to Company Clawback or Recoupment</u>. To the extent permitted by applicable law, the SAR shall be subject to clawback or recoupment pursuant to any compensation clawback or recoupment policy adopted by the Board or required by law during the term of your employment or other Service that is applicable to you. In addition to any other remedies available under such policy, applicable law may require the cancellation of your SAR (whether vested or unvested) and the recoupment of any gains realized with respect to your SAR.

BY ACCEPTING THIS SAR, YOU AGREE TO ALL OF THE TERMS AND CONDITIONS DESCRIBED ABOVE AND IN THE PLAN.



### NOTICE OF RESTRICTED STOCK UNIT AWARD VOLITIONRX LIMITED 2015 STOCK INCENTIVE PLAN

Unless otherwise defined herein, the terms defined in the VolitionRx Limited (the "*Company*") 2015 Stock Incentive Plan (the "*Plan*") shall have the same meanings in this Notice of Restricted Stock Unit Award (the "*Notice*") and the attached Restricted Stock Unit Agreement (the "*RSU Agreement*"). You have been granted an award of Restricted Stock Units ("*RSUs*") under the Plan subject to the terms and conditions of the Plan, this Notice and the attached RSU Agreement.

Name:		
Address:		
Number of RSUs:		
Date of Grant:		
Vesting Commencement Date:		
Expiration Date:	The date on which settlement of all RSUs granted hereunder occurs. This RSU expires earlier if your Service terminates earlier, as described in the RSU Agreement.	
Vesting Schedule:	[INSERT VESTING SCHEDULE].	
Additional Terms:	If this box is checked, the additional terms and conditions set forth on <u>Attachment 1</u> hereto (as executed by the Company) are applicable and are incorporated herein by reference. No document need be attached as Attachment 1 if the box is not checked.	

You acknowledge that the vesting of the RSUs pursuant to this Notice is earned only by continuing Service. By accepting this award, you and the Company agree that this award is granted under and governed by the terms and conditions of the Plan, the Notice and the RSU Agreement. You acknowledge and agree that the Vesting Schedule may change prospectively in the event that your Service status changes between full and part-time status in accordance with Company policies relating to work schedules and vesting of awards. You further acknowledge that the grant of this RSU by the Company is at the Company's sole discretion, and does not entitle you to further grant(s) of RSU(s) or any other award(s) under the Plan or any other plan or program maintained by the Company or any Parent, Subsidiary or Affiliate of the Company. By accepting this RSU, you consent to electronic delivery as set forth in the RSU Agreement.

### PARTICIPANT:

### VOLITIONRX LIMITED

Signature:	
Print Name:	

By:	
Name:	
Its:	

### RESTRICTED STOCK UNIT AGREEMENT VOLITIONRX LIMITED 2015 STOCK INCENTIVE PLAN

You have been granted Restricted Stock Units ("*RSUs*") by VolitionRx Limited (the "*Company*") subject to the terms, restrictions and conditions of the Plan, the Notice of Restricted Stock Unit Award (the "*Notice*") and this Restricted Stock Unit Agreement (this "*RSU Agreement*").

1. <u>Settlement</u>. Settlement of RSUs shall be made in the same calendar year as the applicable date of vesting under the vesting schedule set forth in the Notice; provided, however, that if the vesting date under the vesting schedule set forth in the Notice is in December, then settlement of any RSUs that vest in December shall be within 30 days of vesting. Settlement of RSUs shall be in Shares. Settlement means the delivery of the Shares vested under an RSU. No fractional RSUs or rights for fractional Shares shall be created pursuant to this RSU Agreement.

2. <u>No Stockholder Rights</u>. Unless and until such time as Shares are issued in settlement of vested RSUs, you shall have no ownership of the Shares allocated to the RSUs and shall have no right to dividends or to vote such Shares.

3. <u>Dividend Equivalents</u>. Dividends, if any (whether in cash or Shares), shall not be credited to you.

4. <u>No Transfer</u>. RSUs may not be sold, assigned, transferred, pledged, hypothecated, or otherwise disposed of in any manner other than by will or by the laws of descent or distribution or court order or unless otherwise permitted by the Committee on a case-by-case basis.

5. <u>Termination</u>. If your Service terminates for any reason, all unvested RSUs shall be forfeited to the Company forthwith, and all rights you have to such RSUs shall immediately terminate. In case of any dispute as to whether your termination of Service has occurred, the Committee shall have sole discretion to determine whether such termination has occurred and the effective date of such termination.

6. <u>Construction</u>. This RSU Agreement is the result of negotiations between and has been reviewed by each of the parties hereto and their respective counsel, if any; accordingly, this RSU Agreement shall be deemed to be the product of all of the parties hereto, and no ambiguity shall be construed in favor of or against any one of the parties hereto.

7. <u>Notices</u>. Any notice to be given under the terms of the Plan shall be addressed to the Company in care of its principal office, and any notice to be given to you shall be addressed to you at the address maintained by the Company for such person or at such other address as you may specify in writing to the Company.

8. <u>Counterparts</u>. This RSU Agreement may be executed in two or more counterparts, each of which shall he deemed an original and all of which together shall constitute one instrument.

9. <u>Tax Consequences</u>. You acknowledge that you will recognize tax consequences in connection with the RSUs. You should consult a tax adviser regarding your tax obligations in the jurisdiction where you are subject to tax.

9.1 <u>U.S. Tax Consequences</u>. You will not recognize taxable income when you are granted or vest in the RSUs. In general, the RSUs will be taxed when they are settled and you will recognize ordinary income equal to the value of the Shares that you receive from the Company.

10. <u>Withholding Taxes and Stock Withholding</u>. Regardless of any action the Company or your actual employer (the "*Employer*") takes with respect to any or all income tax, social insurance, payroll tax, payment on account or other tax-related withholding ("*Tax-Related Items*"), you acknowledge that the ultimate liability for all Tax-Related Items legally due by you is and remains your responsibility and that the Company and/or the Employer (1) make no representations or undertakings regarding the treatment of any Tax-Related Items in connection with any aspect of the award, including the grant, vesting or settlement of the RSUs, the subsequent sale of Shares acquired pursuant to such settlement and the receipt of any dividends; and (2) do not commit to structure the terms of the award or any aspect of the RSUs to reduce or eliminate your liability for Tax-Related Items. You acknowledge that if you are subject to Tax-Related Items in more than one jurisdiction, the Company and/or the Employer may be required to withhold or account for Tax-Related Items in more than one jurisdiction.

Prior to the settlement of your RSUs, you shall pay or make adequate arrangements satisfactory to the Company and/or the Employer to satisfy all withholding and payment on account obligations of the Company and/or the Employer. In this regard, you authorize the Company and/or the Employer to withhold all applicable Tax-Related Items legally payable by you from your wages or other cash compensation paid to you by the Company and/or the Employer. With the Company's consent, these arrangements may also include, if permissible under local law, (a) withholding Shares that otherwise would be issued to you when your RSUs are settled, provided that the Company only withholds the amount of Shares necessary to satisfy the minimum statutory withholding amount, (b) having the Company withhold taxes from the proceeds of the sale of the Shares, either through a voluntary sale or through a mandatory sale arranged by the Company (on your behalf and you hereby authorize such sales by this authorization), (c) your payment of a cash amount, or (d) any other arrangement approved by the Company; all under such rules as may be established by the Committee and in compliance with the Company's Insider Trading Policy and 10b5-1 Trading Plan Policy, if applicable; provided however, that if you are a Section 16 officer of the Company under the Exchange Act, then the Committee (as constituted in accordance with Rule 16b-3 under the Exchange Act) shall establish the method of withholding from alternatives (a)-(d) above, and the Committee shall establish the method prior to the Tax-Related Items withholding event. The Fair Market Value of these Shares, determined as of the effective date when taxes otherwise would have been withheld in cash, will be applied as a credit against the withholding taxes. You shall pay to the Company or the Employer any amount of Tax-Related Items that the Company or the Employer may be required to withhold as a result of your participation in the Plan or your purchase of Shares that cannot be satisfied by the means previously described. Finally, you acknowledge that the Company has no obligation to deliver Shares to you until you have satisfied the obligations in connection with the Tax-Related Items as described in this Section.

**11.** <u>Acknowledgement</u>. The Company and you agree that the RSUs are granted under and governed by the Notice, this RSU Agreement and the provisions of the Plan (incorporated herein by reference). You: (a) acknowledge receipt of a copy of the Plan and the Plan prospectus, (b) represent that you have carefully read and are familiar with their provisions, and (c) hereby accept the RSUs subject to all of the terms and conditions set forth herein and those set forth in the Plan and the Notice. You hereby agree to accept as binding, conclusive and final all decisions or interpretations of the Committee upon any questions relating to the Plan, the Notice and this RSU Agreement.

12. <u>Entire Agreement; Enforcement of Rights</u>. This RSU Agreement, the Plan and the Notice constitute the entire agreement and understanding of the parties relating to the subject matter herein and supersede all prior discussions between them. Any prior agreements, commitments or negotiations concerning the purchase of the Shares hereunder are superseded. No modification of or amendment to this RSU Agreement, nor any waiver of any rights under this RSU Agreement, shall be effective unless in writing and signed by the parties to this RSU Agreement. The failure by either party to enforce any rights under this RSU Agreement shall not be construed as a waiver of any rights of such party.

13. <u>Compliance with Laws and Regulations</u>. The issuance of Shares will be subject to and conditioned upon compliance by the Company and you with all applicable state, federal and foreign laws and regulations and with all applicable requirements of any stock exchange or automated quotation system on which the Company's Common Stock may be listed or quoted at the time of such issuance or transfer. The Shares issued pursuant to this RSU Agreement shall be endorsed with appropriate legends, if any, determined by the Company.

14. <u>Governing Law; Severability</u>. If one or more provisions of this RSU Agreement are held to be unenforceable under applicable law, the parties agree to renegotiate such provision in good faith. In the event that the parties cannot reach a mutually agreeable and enforceable replacement for such provision, then (a) such provision shall be excluded from this RSU Agreement, (b) the balance of this RSU Agreement shall be interpreted as if such provision were so excluded and (c) the balance of this RSU Agreement shall be enforceable in accordance with its terms. This RSU Agreement and all acts and transactions pursuant hereto and the rights and obligations of the parties hereto shall be governed, construed and interpreted in accordance with the laws of the State of Delaware, without giving effect to principles of conflicts of law. For purposes of litigating any dispute that may arise directly or indirectly from the Plan, the Notice and this RSU Agreement, the parties hereby submit and consent to litigation in the exclusive jurisdiction of the State of New York and agree that any such litigation shall be conducted only in the courts of New York in New York County or the federal courts of the United States for the Southern District of New York and no other courts.

**15.** <u>No Rights as Employee, Director or Consultant</u>. Nothing in this RSU Agreement shall affect in any manner whatsoever the right or power of the Company, or a Parent, Subsidiary or Affiliate of the Company, to terminate your Service, for any reason, with or without Cause.

16. <u>Consent to Electronic Delivery of All Plan Documents and Disclosures</u>. By your acceptance of this RSU, you consent to the electronic delivery of the Notice, this RSU Agreement, the Plan, account statements, Plan prospectuses required by the Securities and Exchange Commission, U.S. financial reports of the Company, and all other documents that the Company is required to deliver to its security holders (including, without limitation, annual reports and proxy statements) or other communications or information related to the RSU. Electronic delivery may include the delivery of a link to a Company intranet or the internet site of a third party involved in administering the Plan, the delivery of the document via e-mail or such other delivery determined at the Company's discretion. You acknowledge that you may receive from the Company a paper copy of any documents delivered electronically at no cost if you contact the Company by telephone, through a postal service or electronic mail at notice@volitionrx.com. You further acknowledge that you will be provided with a paper copy of any documents delivered electronic delivery fails; similarly, you understand that you must provide on request to the Company or any designated third party a paper copy of any documents delivered electronically if electronic delivery fails. Also, you understand that you have provided an electronic mail address), at any time by notifying the Company of such revised or revoked consent by telephone, postal service or electronic mail at notice@volitionrx.com. Finally, you understand that you are not required to consent to electronic delivery.

**17.** <u>Code Section 409A</u>. For purposes of this RSU Agreement, a termination of employment will be determined consistent with the rules relating to a "separation from service" as defined in Section 409A of the Internal Revenue Code and the regulations thereunder ("*Section 409A*"). Notwithstanding anything else provided herein, to the extent any payments provided under this RSU Agreement in connection with your termination of employment constitute deferred compensation subject to Section 409A, and you are deemed at the time of such termination of employment to be a "specified employee" under Section 409A, then such payment shall not be made or commence until the earlier of (a) the expiration of the six-month period measured from your separation from service or (b) the date of your death following such a separation from service; provided, however, that such deferral shall only be effected to the extent required to avoid adverse tax treatment to you including, without limitation, the additional tax for which you would otherwise be liable under Section 409A(a)(1)(B) in the absence of such a deferral. To the extent any payment under this RSU Agreement may be classified as a "short-term deferral" within the meaning of Section 409A, such payment shall be deemed a short-term deferral, even if it may also qualify for an exemption from Section 409A under another provision of Section 409A. Payments pursuant to this Section are intended to constitute separate payments for purposes of Section 1.409A-2(b)(2) of the Treasury Regulations.

**18.** <u>Adjustment</u>. In the event of a stock split, a stock dividend or a similar change in Company stock, the number of Shares covered by the RSUs may be adjusted pursuant to the Plan.

**19.** Lock-Up Agreement. Upon request of the Company or the underwriters managing any underwritten offering of the Company's securities, you hereby agree not to sell, make any short sale of, loan, grant any option for the purchase of, or otherwise dispose of any securities of the Company however and whenever acquired (other than those included in the registration) without the prior written consent of the Company or such underwriters, as the case may be, for such period of time (not to exceed one hundred eighty (180) days) from the effective date of such registration as may be requested by the Company or such managing underwriters and to execute an agreement reflecting the foregoing as may be requested by the underwriters at the time of the public offering; provided however that, if during the last seventeen (17) days of the restricted period the Company issues an earnings release or material news or a material event relating to the Company occurs, or prior to the expiration of the restricted period the Company announces that it will release earnings results during the sixteen (16)-day period beginning on the last day of the restricted period, then, upon the request of the managing underwriter, to the extent required by any FINRA rules, the restrictions imposed by this Section shall continue to apply until the end of the third trading day following the expiration of the fifteen (15)-day period beginning on the issuance of the earnings release or the occurrence of the material news or material event. In no event will the restricted period extend beyond two hundred sixteen (216) days after the effective date of the registration statement.

20. <u>Award Subject to Company Clawback or Recoupment</u>. To the extent permitted by applicable law, the RSUs shall be subject to clawback or recoupment pursuant to any compensation clawback or recoupment policy adopted by the Board or required by law during the term of your employment or other Service that is applicable to you. In addition to any other remedies available under such policy, applicable law may require the cancellation of your RSUs (whether vested or unvested) and the recoupment of any gains realized with respect to your RSUs.

BY ACCEPTING THIS RSU, YOU AGREE TO ALL OF THE TERMS AND CONDITIONS DESCRIBED ABOVE AND IN THE PLAN.

### NOTICE OF PERFORMANCE SHARES AWARD VOLITIONRX LIMITED 2015 STOCK INCENTIVE PLAN

Unless otherwise defined herein, the terms defined in the VolitionRx Limited (the "*Company*") 2015 Stock Incentive Plan (the "*Plan*") shall have the same meanings in this Notice of Performance Shares Award (the "*Notice*") and the attached Performance Shares Award Agreement (the "*Performance Shares Agreement*"). You have been granted an award of Performance Shares (the "*Performance Shares Award*") under the Plan subject to the terms and conditions of the Plan, this Notice and the attached Performance Shares Agreement.

Name:

Address:

Number of Shares:

Date of Grant:

Fair Market Value on Date of Grant:

Vesting Commencement Date:

Vesting Schedule:

Subject to the limitations set forth in this Notice, the Plan and the Performance Shares Agreement, the Shares will vest in accordance with the following schedule: **[INSERT VESTING SCHEDULE]**.

You acknowledge that the vesting of the Performance Shares Award pursuant to this Notice is earned only by continuing Service. By accepting the Performance Shares Award, you and the Company agree that the Performance Shares Award is granted under and governed by the terms and conditions of the Plan, the Notice and the Performance Shares Agreement. You acknowledge and agree that the Vesting Schedule may change prospectively in the event that your service status changes between full and part-time status in accordance with Company policies relating to work schedules and vesting of awards. You further acknowledge that the grant of this Performance Shares Award by the Company is at the Company's sole discretion, and does not entitle you to further grant(s) of Performance Share Award(s) or any other award(s) under the Plan or any other plan or program maintained by the Company or any Parent, Subsidiary or Affiliate of the Company. By accepting the Performance Shares Award, you consent to electronic delivery as set forth in the Performance Shares Agreement.

### **PARTICIPANT:**

#### VOLITIONRX LIMITED

Signature:	
Print Name:	

By:	
Name:	
Its:	

#### PERFORMANCE SHARES AGREEMENT VOLITIONRX LIMITED 2015 STOCK INCENTIVE PLAN

You have been granted a Performance Shares Award ("*Performance Shares Award*") by VolitionRx Limited (the "*Company*"), subject to the terms, restrictions and conditions of the Plan, the Notice of Performance Shares Award ("*Notice*") and this Performance Shares Agreement (this "*Agreement*").

1. <u>Settlement</u>. Your Performance Shares Award shall be settled in Shares and the Company's transfer agent shall record ownership of such Shares in your name as soon as reasonably practicable after achievement of the Performance Factors enumerated in the Notice.

2. <u>No Stockholder Rights</u>. Unless and until you are recorded as the holder of such Shares on the stock records of the Company and its transfer agent, you shall have no right to dividends or to vote Shares.

3. <u>No-Transfer</u>. Your interest in this Performance Shares Award shall not be sold, assigned, transferred, pledged, hypothecated, or otherwise disposed of.

**4.** <u>**Termination**</u>. If your Service terminates for any reason, all of your rights under the Plan, this Agreement and the Notice in respect of this Award shall immediately terminate. In case of any dispute as to whether a termination of Service has occurred, the Committee shall have sole discretion to determine whether such termination has occurred and the effective date of such termination.

5. <u>Construction</u>. This Agreement is the result of negotiations between and has been reviewed by each of the parties hereto and their respective counsel, if any; accordingly, this Agreement shall be deemed to be the product of all of the parties hereto, and no ambiguity shall be construed in favor of or against any one of the parties hereto.

6. <u>Notices</u>. Any notice to be given under the terms of the Plan shall be addressed to the Company in care of its principal office, and any notice to be given to you shall be addressed to you at the address maintained by the Company for such person or at such other address as you may specify in writing to the Company.

7. <u>Counterparts</u>. This Agreement may be executed in two or more counterparts, each of which shall he deemed an original and all of which together shall constitute one instrument.

8. <u>Tax Consequences</u>. YOU SHOULD CONSULT A TAX ADVISER BEFORE ACQUIRING THE SHARES IN THE JURISDICTION IN WHICH HE OR SHE IS SUBJECT TO TAX. Shares shall not be issued under this Agreement unless you make arrangements acceptable to the Company to pay any withholding taxes that may be due as a result of the acquisition or vesting of Shares.

(a) <u>U.S. Tax Consequences</u>. Upon vesting of Shares, you will include in taxable income the difference between the fair market value of the vesting Shares, as determined on the date of their vesting. This will be treated as ordinary income by you and will be subject to withholding by the Company when required by applicable law. The Company shall satisfy the withholding requirements as set forth in Section 9 below.

9. <u>Withholding Taxes and Stock Withholding</u>. Regardless of any action the Company or your actual employer (the "*Employer*") takes with respect to any or all income tax, social insurance, payroll tax, payment on account or other tax-related withholding ("*Tax-Related Items*"), you acknowledge that the ultimate liability for all Tax-Related Items legally due by you is and remains your responsibility and that the Company and/or the Employer (1) make no representations or undertakings regarding the treatment of any Tax-Related Items in connection with any aspect of the award, including the award or vesting of such Shares, the subsequent sale of Shares under this award and the receipt of any dividends; and (2) do not commit to structure the terms of the award to reduce or eliminate your liability for Tax-Related Items. You acknowledge that if you are subject to Tax-Related Items in more than one jurisdiction, the Company and/or the Employer may be required to withhold or account for Tax-Related Items in more than one jurisdiction.

The Company will only recognize you as a record holder of Shares if you have paid or made adequate arrangements satisfactory to the Company and/or the Employer to satisfy all withholding and payment on account obligations of the Company and/or the Employer. In this regard, you authorize the Company and/or the Employer to withhold all applicable Tax-Related Items legally payable by you from your wages or other cash compensation paid to you by the Company and/or the Employer. With the Company's consent, these arrangements may also include, if permissible under local law, (a) withholding Shares that otherwise would be issued to you when they vest, provided that the Company only withholds the amount of Shares necessary to satisfy the minimum statutory withholding amount, (b) having the Company withhold taxes from the proceeds of the sale of the Shares, either through a voluntary sale or through a mandatory sale arranged by the Company (on your behalf and you hereby authorize such sales by this authorization), (c) your payment of a cash amount, or (d) any other arrangement approved by the Company; all under such rules as may be established by the Committee and in compliance with the Company's Insider Trading Policy and 10b5-1 Trading Plan Policy, if applicable; provided however, that if you are a Section 16 officer of the Company under the Exchange Act, then the Committee (as constituted in accordance with Rule 16b-3 under the Exchange Act) shall establish the method of withholding from alternatives (a)-(d) above, and the Committee shall establish the method prior to the Tax-Related Items withholding event. The Fair Market Value of these Shares, determined as of the effective date when taxes otherwise would have been withheld in cash, will be applied as a credit against the withholding taxes. You shall pay to the Company or the Employer any amount of Tax-Related Items that the Company or the Employer may be required to withhold as a result of your participation in the Plan or your purchase of Shares that cannot be satisfied by the means previously described. Finally, you acknowledge that the Company has no obligation to deliver Shares to you until you have satisfied the obligations in connection with the Tax-Related Items as described in this Section.

**10.** <u>Acknowledgement</u>. The Company and you agree that the Performance Shares Award is granted under and governed by the Notice, this Agreement and the provisions of the Plan (incorporated herein by reference). You: (a) acknowledge receipt of a copy of the Plan and the Plan prospectus, (b) represent that you have carefully read and are familiar with their provisions, and (c) hereby accept the Performance Shares Award subject to all of the terms and conditions set forth herein and those set forth in the Plan and the Notice. You hereby agree to accept as binding, conclusive and final all decisions or interpretations of the Committee upon any questions relating to the Plan, the Notice and this Agreement.

11. <u>Entire Agreement; Enforcement of Rights</u>. This Agreement, the Plan and the Notice constitute the entire agreement and understanding of the parties relating to the subject matter herein and supersede all prior discussions between them. Any prior agreements, commitments or negotiations concerning the purchase of the Shares hereunder are superseded. No modification of or amendment to this Agreement, nor any waiver of any rights under this Agreement, shall be effective unless in writing and signed by the parties to this Agreement. The failure by either party to enforce any rights under this Agreement shall not be construed as a waiver of any rights of such party.

12. <u>Compliance with Laws and Regulations</u>. The issuance of Shares will be subject to and conditioned upon compliance by the Company and you with all applicable state, federal and foreign laws and regulations and with all applicable requirements of any stock exchange or automated quotation system on which the Company's Common Stock may be listed or quoted at the time of such issuance or transfer. The Shares issued pursuant to this Agreement shall be endorsed with appropriate legends, if any, determined by the Company.

13. <u>Governing Law; Severability</u>. If one or more provisions of this Agreement are held to be unenforceable under applicable law, the parties agree to renegotiate such provision in good faith. In the event that the parties cannot reach a mutually agreeable and enforceable replacement for such provision, then (a) such provision shall be excluded from this Agreement, (b) the balance of this Agreement shall be interpreted as if such provision were so excluded and (c) the balance of this Agreement shall be enforceable in accordance with its terms. This Agreement and all acts and transactions pursuant hereto and the rights and obligations of the parties hereto shall be governed, construed and interpreted in accordance with the laws of the State of Delaware, without giving effect to principles of conflicts of law. For purposes of litigating any dispute that may arise directly or indirectly from the Plan, the Notice and this Agreement, the parties hereby submit and consent to litigation in the exclusive jurisdiction of the State of New York and agree that any such litigation shall be conducted only in the courts of New York in New York County or the federal courts of the United States for the Southern District of New York and no other courts.

14. <u>No Rights as Employee, Director or Consultant</u>. Nothing in this Agreement shall affect in any manner whatsoever the right or power of the Company, or a Parent, Subsidiary or Affiliate of the Company, to terminate your Service, for any reason, with or without Cause.

15. Consent to Electronic Delivery of All Plan Documents and Disclosures. By acceptance of this Performance Shares Award, you consent to the electronic delivery of the Notice, this Agreement, the Plan, account statements, Plan prospectuses required by the Securities and Exchange Commission, U.S. financial reports of the Company, and all other documents that the Company is required to deliver to its security holders (including, without limitation, annual reports and proxy statements) or other communications or information related to the Performance Shares Award. Electronic delivery may include the delivery of a link to a Company intranet or the internet site of a third party involved in administering the Plan, the delivery of the document via e-mail or such other delivery determined at the Company's discretion. You acknowledge that you may receive from the Company a paper copy of any documents delivered electronically at no cost if you contact the Company by telephone, through a postal service or electronic mail at notice@volitionrx.com. You further acknowledge that you will be provided with a paper copy of any documents delivered electronically if electronic delivery fails; similarly, you understand that you must provide on request to the Company or any designated third party a paper copy of any documents delivered electronically if electronic delivery fails. Also, you understand that your consent may be revoked or changed, including any change in the electronic mail address to which documents are delivered (if you have provided an electronic mail address), at any time by notifying the Company of such revised or revoked consent by telephone, postal service or electronic mail at notice@volitionrx.com. Finally, you understand that you are not required to consent to electronic delivery.

**16.** <u>Adjustment</u>. In the event of a stock split, a stock dividend or a similar change in Company stock, the number of Shares covered by the Performance Shares Award may be adjusted pursuant to the Plan.

**17.** <u>Award Subject to Company Clawback or Recoupment</u>. To the extent permitted by applicable law, Performance Shares Award shall be subject to clawback or recoupment pursuant to any compensation clawback or recoupment policy adopted by the Board or required by law during the term of your employment or other Service with the Company that is applicable to you. In addition to any other remedies available under such policy, applicable law may require the cancellation of your Performance Shares Award (whether vested or unvested) and the recoupment of any gains realized with respect to your Performance Shares Award.</u>

BY ACCEPTING THE PERFORMANCE SHARES AWARD, YOU AGREE TO ALL OF THE TERMS AND CONDITIONS DESCRIBED ABOVE AND IN THE PLAN.

VolitionRx Limited 1 Scotts Road #24-05 Shaw Centre Singapore 228208

Securities Registered under Registration Statement on Form S-8

#### Ladies and Gentlemen:

Re:

You have requested our opinion with respect to certain matters in connection with the filing by Volition Limited, a Delaware corporation (the "<u>Company</u>"), of a Registration Statement on Form S-8 (as may be amended or supplemented, the "<u>Registration Statement</u>") with the Securities and Exchange Commission (the "<u>Commission</u>") on covering the offering of up to (i) 1,000,000 shares of the Company's common stock, par value \$0.001 per share (the "<u>Common Stock</u>") pursuant to the VolitionRx Limited 2015 Stock Incentive Plan (the "<u>2015 Plan</u>") and (ii) 1,950,300 shares of the Common Stock pursuant to the VolitionRx Limited 2011 Equity Incentive Plan (the "<u>2011 Plan</u>"). The shares of the Common Stock that may be issued pursuant to the 2015 Plan and the 2011 Plan are collectively referred to herein as the "<u>Shares</u>."

In connection with the preparation of this opinion, we have examined such documents and considered such questions of law as we have deemed necessary or appropriate. We have assumed the authenticity of all documents submitted to us as originals, the conformity to originals of all documents submitted to us as copies thereof and the genuineness of all signatures. As to questions of fact material to our opinion, we have relied upon the certificates of certain officers of the Company.

Based on the foregoing, we are of the opinion that the Shares, when issued and sold in accordance with the terms of the 2015 Plan and the 2011 Plan, and the related agreements, will be validly issued, fully paid and non-assessable.

We render this opinion only with respect to the General Corporation Law of the State of Delaware, and we express no opinion herein concerning the application or effect of the laws of any other jurisdiction.

We hereby consent to the use of this opinion as Exhibit 5.1 to the Registration Statement, and to the reference to our firm in the Registration Statement. In giving such consent, we do not hereby admit that we are within the category of persons whose consent is required under Section 7 of the Securities Act of 1933, as amended, or the rules and regulations thereunder.

This opinion is intended solely for use in connection with the issuance and sale of the Shares pursuant to the Registration Statement and is not to be relied upon for any other purpose or delivered to or relied upon by any other person without our prior written consent. This opinion is rendered as of the date hereof and based solely on our understanding of facts in existence as of such date after the examination described in this opinion. We assume no obligation to advise you of any fact, circumstance, event or change in the law or the facts that may hereafter be brought to our attention whether or not such occurrence would affect or modify the opinions expressed herein.

Very truly yours,

STRADLING YOCCA CARLSON & RAUTH, P.C.

/s/ Stradling Yocca Carlson & Rauth, P.C.



Registered with the Public Company Accounting Oversight Board

#### CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Board of Directors VolitionRx Limited

As independent registered public accountants, we hereby consent to the incorporation by reference in this Registration Statement on Form S-8 pertaining to the VolitionRx Limited 2015 Stock Incentive Plan and 2011 Equity Incentive Plan, of our report dated March 18, 2015, with respect to the consolidated financial statements of VolitionRx Limited, included in the Annual Report (Form 10-K) for the years ended December 31, 2014 and 2013, filed with the Securities and Exchange Commission.

/s/ Sadler, Gibb & Associates, LLC

Sadler, Gibb & Associates, LLC Salt Lake City, UT December 11, 2015

office 801.783.2950 fax 801.783.2960

www.sadlergibb.com | 2455 East Parleys Way Suite 320, Salt Lake City, UT 84109