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Approximate date of commencement of proposed sale to the public: From time to time after the effective date of this registration statement.

If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box.

If any of the securities being registered on this Form are being offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Securities and Exchange Commission pursuant to Rule 462(e) under the Securities Act, check the following box.

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of “large accelerated filer,” “accelerated filer” “smaller reporting company” and “emerging growth company” in Rule 12b2 of the Exchange Act.

Large accelerated filer

Accelerated filer

Non-accelerated filer (Do not check if a smaller reporting company) Smaller reporting company

Emerging Growth
Company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act.

Title of each class of securities to be registered	Amount to be registered(1)(2)	Proposed maximum offering price per share(3)	Proposed maximum aggregate offering price(3)	Amount of the registration fee
Common Stock, par value \$0.001 per share	1,965,417	\$3.915	\$7,694,607.56	\$957.98

Pursuant to Rule 416 under the Securities Act of 1933, as amended, the shares being registered hereunder include (1) such indeterminate number of additional shares of common stock as may be issuable as a result of stock splits, stock dividends or similar transactions with respect to the shares being registered hereunder.

Includes 1,965,417 shares of common stock issued to the selling stockholders named herein pursuant to the third (2) tranche of the Securities Purchase Agreement, dated as of April 26, 2017, as amended, by and between the selling stockholders and ChromaDex Corporation.

With respect to the shares of common stock being registered hereunder, estimated pursuant to Rule 457(c) of the Securities Act of 1933, as amended, solely for the purpose of computing the amount of the registration fee, based (3) upon the average of the high and low prices of ChromaDex Corporation's common stock on October 26, 2017, a date within five business days prior to the filing of this registration statement, on the NASDAQ Capital Market, which was \$3.915.

The registrant hereby amends this registration statement on such date or dates as may be necessary to delay its effective date until the registrant shall file a further amendment which specifically states that this registration statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933 or until the registration statement shall become effective on such date as the Commission acting pursuant to said Section 8(a), may determine.

The information in this prospectus is not complete and may be changed. The selling stockholders may not sell these securities until the registration statement filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities and it is not soliciting an offer to buy these securities in any state where the offer or sale is not permitted.

SUBJECT TO COMPLETION, DATED OCTOBER 31, 2017

PROSPECTUS

1,965,417 Shares

Common Stock Offered by the Selling Stockholders

This prospectus relates to resales by certain selling stockholders from time to time of up to 1,965,417 shares of common stock, par value \$0.001 per share, that we previously issued to the selling stockholders on August 18, 2017 in a private placement.

The selling stockholders may sell the shares of common stock described in this prospectus in a number of different ways and at varying prices. We provide more information about how the selling stockholders may sell their shares of common stock in the section entitled "Plan of Distribution" on page 4. The selling stockholders will bear all commissions and discounts, if any, attributable to the sale or disposition of the shares, or interests therein. We will bear all costs, expenses and fees in connection with the registration of the shares. We will not be paying any underwriting discounts or commissions in this offering.

We will not receive any proceeds from the sale of the shares by the selling stockholders.

Our common stock is traded on the NASDAQ Capital Market under the symbol "CDXC." On October 30, 2017, the closing sale price of our common stock on the NASDAQ Capital Market was \$4.12 per share. You are urged to obtain current market quotations for our common stock.

A prospectus supplement may add, update, or change information contained in this prospectus. You should carefully read this prospectus, the applicable prospectus supplement, and the information incorporated by reference in this prospectus and the applicable prospectus supplement before you make your investment decision.

Investing in our common stock involves certain risks. You should carefully read and consider the section entitled "Risk Factors" on page 3 and the risk factors included in our periodic reports filed with the Securities and Exchange Commission, in any applicable prospectus supplement and in any other documents we file with the Securities and Exchange Commission.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the accuracy and adequacy of the disclosures in this prospectus. Any representation to the contrary is a criminal offense.

The date of this prospectus is , 2017

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ABOUT THIS PROSPECTUS

We urge you to read carefully this prospectus, together with the information incorporated herein by reference as described under the heading “Where You Can Find Additional Information,” before buying any of the securities being offered.

You should rely only on the information contained or incorporated by reference in this prospectus and the applicable prospectus supplement or in any amendment to this prospectus. Neither we nor any selling stockholder has authorized anyone to provide you with different information, and if anyone provides, or has provided you, with different or inconsistent information, you should not rely on it. The selling stockholders are offering to sell, and seeking offers to buy, shares of our common stock (“Common Stock”), only in jurisdictions where offers and sales are permitted. The information contained in this prospectus, as well as the information filed previously with the Securities and Exchange Commission (the “SEC”), and incorporated herein by reference, is accurate only as of the date of the document containing the information, regardless of the time of delivery of this prospectus or the applicable prospectus supplement or any sale of our Common Stock.

A prospectus supplement may add to, update or change the information contained in this prospectus. You should read both this prospectus and the applicable prospectus supplement together with additional information described below under the heading “Where You Can Find Additional Information.” In this prospectus, references to the “Company,” “ChromaDex,” “registrant,” “we,” “us,” and “our” refer to ChromaDex Corporation. The phrase “this prospectus” refers to this prospectus and any applicable prospectus supplement, unless the context requires otherwise.

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus and the documents incorporated by reference herein and therein contain forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, or the Securities Act, and Section 21E of the Securities Exchange Act of 1934, as amended (the “Exchange Act”). These statements relate to future events or to our future financial performance and involve known and unknown risks, uncertainties and other factors which may cause our actual results, performance or achievements to be materially different from any future results, performances or achievements expressed or implied by the forward-looking statements. Forward-looking statements include, but are not limited to statements about:

our business;

our business strategy;

products and services we may offer in the future;

the outcome and impact of litigation;

the timing and results of future regulatory filings;

the timing and results of future clinical trials;

our ability to collect from major customers;

our sales and marketing strategy and capital outlook;

our estimates regarding our capital requirements, future expenses and need for additional financing; and

our use of the net proceeds from this offering.

In some cases, you can identify forward-looking statements by terms such as “may,” “will,” “should,” “could,” “would,” “expect,” “plan,” “anticipate,” “believe,” “estimate,” “project,” “predict,” “potential” and similar expressions (including their use in the negative) intended to identify forward-looking statements. These statements reflect our current views with respect to future events and are based on assumptions and subject to risks and uncertainties. Given these uncertainties, you should not place undue reliance on these forward-looking statements. We discuss many of these risks in greater detail in the documents incorporated by reference herein, usually under the heading “Risk Factors.” Also, these forward-looking statements represent our estimates and assumptions only as of the date of the document containing the applicable statement.

We qualify all of the forward-looking statements in the foregoing documents by these cautionary statements. Unless required by law, we undertake no obligation to update or revise any forward-looking statements to reflect new information or future events or developments. Thus, you should not assume that our silence over time means that actual events are bearing out as expressed or implied in such forward-looking statements. Before deciding to purchase our Common Stock, you should carefully consider the risk factors incorporated by reference herein, in addition to the other information set forth in this prospectus and in the documents incorporated by reference herein.

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PROSPECTUS SUMMARY

This summary highlights important features of this offering and the information included or incorporated by reference in this prospectus. This summary does not contain all of the information you should consider before investing in our Common Stock. You should carefully read this prospectus, the applicable prospectus supplement and the information incorporated by reference in this prospectus and any applicable prospectus supplement before you invest in our Common Stock.

ChromaDex Corporation

The business of ChromaDex Corporation is conducted by our principal subsidiaries, ChromaDex, Inc., Healthspan Research, LLC, ChromaDex Analytics, Inc. and ChromaPharma, Inc. The Company is a natural products company that leverages its complementary business units to discover, acquire, develop and commercialize patented and proprietary ingredient technologies that address the dietary supplement, food, beverage, skin care and pharmaceutical markets. With the recent acquisition of Healthspan Research, LLC, the Company is also selling consumer products. Along with our ingredients segment that includes our consumer product business, the Company also has a core standards and contract services segment, which focuses on (i) natural product fine chemicals (known as “phytochemicals”) (ii) chemistry and analytical testing services, and (iii) scientific and regulatory consulting. On August 21, 2017, the Company entered into an asset purchase agreement pursuant to which the Company will sell operating assets that are used or held for use in connection with the Company’s quality verification program testing or seals and analytical chemistry and microbiology testing business for food and food related products. As a result of the Company’s relationships with leading universities and research institutions, the Company is able to discover and license early stage, intellectual property-backed ingredient technologies. The Company then utilizes the Company’s business segments to develop commercially viable proprietary ingredients. The Company’s proprietary ingredient portfolio is backed with clinical and scientific research, as well as extensive intellectual property protection.

Private Placement

On April 26, 2017, we entered into a Securities Purchase Agreement (as amended, the “Purchase Agreement”) with certain purchasers named therein (the “Purchasers”), pursuant to which we agreed to sell and issue up to \$25.0 million of our Common Stock at a purchase price of \$2.60 per share in three tranches of approximately \$3.5 million, \$16.4 million and \$5.1 million, respectively. On April 27, 2017, the first tranche under the Purchase Agreement closed, pursuant to which we issued 1,346,154 shares of Common Stock to the Purchasers at a purchase price of \$2.60 per share. On May 24, 2017, the second tranche under the Purchase Agreement closed, pursuant to which we issued 6,303,814 shares of Common Stock to the Purchasers at a purchase price of \$2.60 per share. On August 18, 2017, the third tranche under the Purchase Agreement closed, pursuant to which we issued 1,965,417 shares of Common Stock (the “Shares”) to the Purchasers at a purchase price of \$2.60 per share. The shares of the Common Stock sold pursuant to the Purchase Agreement were not initially registered under the Securities Act of the 1933, as amended (the “Securities Act”), or any state securities laws. We have relied on the exemption from the registration requirements of the Securities Act by virtue of Section 4(a)(2) thereof and Rule 506 of Regulation D thereunder. In connection with the Purchasers’ execution of the Purchase Agreement, the Purchasers represented to us that they are each an “accredited investor” as defined in Regulation D of the Securities Act and that the securities being purchased by them are being acquired solely for their own account and for investment purposes and not with a view to the future sale or distribution. Ladenburg Thalmann & Co. Inc. acted as our sole placement agent for the Shares sold pursuant to the Purchase Agreement.

On April 29, 2017, we entered into a Registration Rights Agreement with the Purchasers (the “Registration Rights Agreement”). Pursuant to the Registration Rights Agreement, the Company agreed to (i) file one or more registration

statements with the Securities and Exchange Commission (the "SEC") to cover the resale of the Shares by the Purchasers, (ii) use its reasonable best efforts to have all such registration statements declared effective within the timeframes set forth in the Registration Rights Agreement, and (iii) use its commercially reasonable efforts to keep such registration statements effective during the timeframes set forth in the Registration Rights Agreement. In the event that such registration statements are not filed or declared effective within the timeframes set forth in the Registration Rights Agreement, any such effective registration statements subsequently become unavailable, or the Purchasers are unable to sell the Shares because the Company has failed to satisfy the current public information requirement of Rule 144 under the Securities Act, the Company would be required to pay liquidated damages to the Purchasers equal to 1.0% of the aggregate purchase price per month for each default (up to a maximum of 5% of such aggregate purchase price).

The Registration Statement of which this prospectus is a part relates to the resales of the Shares issued to the selling stockholders in connection with the third tranche under the Purchase Agreement.

Our principal executive offices are located at 10005 Muirlands Blvd. Suite G, Irvine, California, 92618. Our telephone number is (949) 419-0288. Our website is located at www.chromadex.com. The information on our website is not part of this prospectus.

The Offering

Common Stock Offered by the Selling Stockholders 1,965,417 shares

Use of Proceeds We will not receive any proceeds from the sale of Shares in this offering by the selling stockholders.

NASDAQ Capital Market Symbol CDXC

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RISK FACTORS

An investment in our Common Stock involves a high degree of risk. Prior to making a decision about investing in our Common Stock, you should consider carefully the specific risk factors discussed in the sections entitled “Risk Factors” contained in our most recent Annual Report on Form 10-K or Quarterly Report on Form 10-Q, as filed with the SEC, which are incorporated in this prospectus by reference in their entirety, as well as any amendment or updates to our risk factors reflected in subsequent filings with the SEC, including any prospectus supplement hereto. These risks and uncertainties are not the only risks and uncertainties we face. Additional risks and uncertainties not presently known to us, or that we currently view as immaterial, may also impair our business. If any of the risks or uncertainties described in our SEC filings or any additional risks and uncertainties actually occur, our business, financial condition, results of operations and cash flow could be materially and adversely affected. In that case, the trading price of our Common Stock could decline and you might lose all or part of your investment.

USE OF PROCEEDS

The proceeds from the sale of shares of Common Stock offered pursuant to this prospectus are solely for the account of the selling stockholders. We will not receive any proceeds from the sale of shares by the selling stockholders.

SELLING STOCKHOLDERS

The selling stockholders, or their pledgees, assignees, or successors-in-interest, are offering for resale, from time to time, up to an aggregate of 1,965,417 shares of our Common Stock. The Shares were issued by us in the third tranche of a private placement that closed on August 18, 2017. The following table sets forth certain information with respect to beneficial ownership of our Common Stock as of August 21, 2017 by the selling stockholders, as determined in accordance with Rule 13d-3 of the Exchange Act. This information has been obtained from the selling stockholders or in Schedules 13G or 13D and other public documents filed with the SEC.

Name of Selling Stockholder	Number of Shares of Common Stock Beneficially Owned Prior to this Offering(1)		Number of Shares of Common Stock Being Offered(2)	Number of Shares of Common Stock Beneficially Owned After this Offering	
	Number	Percentage		Number	Percentage
Champion River Ventures Limited (3)	5,769,230	12.00%	1,179,250	4,589,980	9.55%
Pioneer Step Holdings Limited (4)	3,846,155	8.00%	786,167	3,059,988	6.37%

* Less than 1%

(1) “Beneficial ownership” means that a person, directly or indirectly,

has or shares voting or investment power with respect to a security or has the right to acquire such power within 60 days. The number of shares beneficially owned is determined as of August 21, 2017, and the percentage is based upon 48,059,311 shares of our Common Stock outstanding as of August 21, 2017.

Assumes sale of all shares available for sale under this prospectus and no further acquisitions of shares by the selling stockholders.

- (2)
- (3) Based on beneficial ownership reported on Schedule 13D filed with SEC on August 22, 2017, (i) Champion River Ventures Limited (“Champion River”) beneficially owned and had sole voting and

dispositive power with respect to 5,769,230 shares (the “Champion Shares”), (ii) Prime Tech Global Limited (“Prime Tech”), by virtue of being the sole shareholder of Champion River, may be deemed to beneficially own and have sole voting and dispositive power with respect to the Champion Shares, (iii) Mayspin Management Limited (“Mayspin”), by virtue of being the sole shareholder of Prime Tech, may be deemed to beneficially own and have sole voting and dispositive power with respect to the Champion Shares, and (iv) Li Ka Shing, by virtue of being the sole shareholder of Mayspin, may be deemed to beneficially own and have sole voting and dispositive

power with respect to the Champion Shares. The registered office address for Champion River and Mayspin is
Vistra Corporate Services Centre, Wickhams Cay II, Road Town, Tortola, VG1110, British Virgin Islands and the registered office address for PrimeTech is
P.O. Box 901, East Asia Chambers, Road Town, Tortola, British Virgin Islands, and the correspondence address for each of Champion River, PrimeTech, and Mayspin is c/o
7/F, Cheung Kong Center, 2 Queen's Road Central, Hong Kong.

- (4) Based on beneficial ownership reported on Schedule 13D filed with SEC on August 22, 2017, (i) Pioneer Step Holdings Limited (“Pioneer Step”)

beneficially owned and had sole voting and dispositive power with respect to 3,846,155 shares (the “Pioneer Shares”) and (ii) Chau Hoi Shuen Solina Holly, by virtue of being the sole shareholder of Pioneer Step, may be deemed to beneficially own and have sole voting and dispositive power with respect to the Pioneer Shares. The registered office address for Pioneer Step is Vistra Corporate Services Centre, Wickhams Cay II, Road Town, Tortola, VG1110, British Virgin Islands and its correspondence address is c/o 29th Floor, Harbour Centre, 25 Harbour Road, Wanchai, Hong Kong. The business address of Solina Chau is c/o 29th Floor, Harbour Centre, 25 Harbour Road, Wanchai, Hong Kong.

Relationship with Selling Stockholders

As discussed in greater detail above under the section “Prospectus Summary – Private Placement,” in April 2017, we entered into the Purchase Agreement with the selling stockholders pursuant to which we sold and issued the Shares to the selling stockholders and agreed with the selling stockholders to file a Registration Statement to enable the resale of the Shares. Except as noted in the footnotes to the Selling Stockholders table, none of the selling stockholders has held any position or office with us or our affiliates within the last three years or has had a material relationship with us or any of our predecessors or affiliates within the past three years, other than as a result of the ownership of our shares or other securities.

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PLAN OF DISTRIBUTION

We are registering the Shares issued to the selling stockholders to permit the resale of these Shares by the holders of the Shares from time to time after the date of this prospectus. We will not receive any of the proceeds from the sale by the selling stockholders of the Shares. We will bear all fees and expenses incident to our obligation to register the Shares.

The selling stockholders may sell all or a portion of the Shares beneficially owned by them and offered hereby from time to time directly or through one or more underwriters, broker-dealers or agents. If the Shares are sold through underwriters or broker-dealers, the selling stockholders will be responsible for underwriting discounts or commissions or agent's commissions. The Shares may be sold on any national securities exchange or quotation service on which the securities may be listed or quoted at the time of sale, in the over-the-counter market or in transactions otherwise than on these exchanges or systems or in the over-the-counter market and in one or more transactions at fixed prices, at prevailing market prices at the time of the sale, at varying prices determined at the time of sale, or at negotiated prices. These sales may be effected in transactions, which may involve crosses or block transactions. The selling stockholders may use any one or more of the following methods when selling shares:

ordinary brokerage transactions and transactions in which the broker-dealer solicits purchasers;

block trades in which the broker-dealer will attempt to sell the shares as agent but may position and resell a portion of the block as principal to facilitate the transaction;

purchases by a broker-dealer as principal and resale by the broker-dealer for its account;

an exchange distribution in accordance with the rules of the applicable exchange;

privately negotiated transactions;

settlement of short sales entered into after the effective date of the registration statement of which this prospectus is a part;

broker-dealers may agree with the selling stockholders to sell a specified number of such shares at a stipulated price per share;

through the writing or settlement of options or other hedging transactions, whether such options are listed on an options exchange or otherwise;

a combination of any such methods of sale; and

any other method permitted pursuant to applicable law.

The selling stockholders also may resell all or a portion of the Shares in open market transactions in reliance upon Rule 144 under the Securities Act, as permitted by that rule, or Section 4(1) under the Securities Act, if available, rather than under this prospectus, provided that they meet the criteria and conform to the requirements of those provisions.

Broker-dealers engaged by the selling stockholders may arrange for other broker-dealers to participate in sales. If the selling stockholders effect such transactions by selling Shares to or through underwriters, broker-dealers or agents, such underwriters, broker-dealers or agents may receive commissions in the form of discounts, concessions or commissions from the selling stockholders or commissions from purchasers of the Shares for whom they may act as agent or to whom they may sell as principal. Such commissions will be in amounts to be negotiated, but, except as set forth in a supplement to this prospectus, in the case of an agency transaction will not be in excess of a customary brokerage commission in compliance with FINRA Rule 5110.

In connection with sales of the Shares, the selling stockholders may enter into hedging transactions with broker-dealers or other financial institutions, which may in turn engage in short sales of the Shares in the course of hedging in positions they assume. The selling stockholders may also sell Shares short and if such short sale shall take place after the date that the Registration Statement of which this prospectus is a part is declared effective by the SEC, the selling stockholders may deliver shares of Common Stock covered by this prospectus to close out short positions and to return borrowed shares in connection with such short sales. The selling stockholders may also loan or pledge Shares to broker-dealers that in turn may sell such shares, to the extent permitted by applicable law. The selling stockholders may also enter into option or other transactions with broker-dealers or other financial institutions or the creation of one or more derivative securities which require the delivery to such broker-dealer or other financial institution of shares offered by this prospectus, which shares such broker-dealer or other financial institution may resell pursuant to this prospectus (as supplemented or amended to reflect such transaction). Notwithstanding the foregoing, the selling stockholders have been advised that they may not use shares registered on the Registration Statement of which this prospectus is a part to cover short sales of our Common Stock made prior to the date the Registration Statement, of which this prospectus forms a part, has been declared effective by the SEC.

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The selling stockholders may, from time to time, pledge or grant a security interest in some or all of the shares of Common Stock owned by them and, if they default in the performance of their secured obligations, the pledgees or secured parties may offer and sell the Shares from time to time pursuant to this prospectus or any amendment to this prospectus under Rule 424(b)(3) or other applicable provision of the Securities Act amending, if necessary, the list of selling stockholders to include the pledgee, transferee or other successors in interest as selling stockholders under this prospectus. The selling stockholders also may transfer and donate the Shares in other circumstances in which case the transferees, donees, pledgees or other successors in interest will be the selling beneficial owners for purposes of this prospectus.

The selling stockholders and any broker-dealer or agents participating in the distribution of the Shares may be deemed to be “underwriters” within the meaning of Section 2(11) of the Securities Act in connection with such sales. In such event, any commissions paid, or any discounts or concessions allowed to, any such broker-dealer or agent and any profit on the resale of the shares purchased by them may be deemed to be underwriting commissions or discounts under the Securities Act. Selling stockholders who are “underwriters” within the meaning of Section 2(11) of the Securities Act will be subject to the prospectus delivery requirements of the Securities Act and may be subject to certain statutory liabilities of, including but not limited to, Sections 11, 12 and 17 of the Securities Act and Rule 10b-5 under the Exchange Act.

Each selling stockholder has informed the Company that it is not a registered broker-dealer and does not have any written or oral agreement or understanding, directly or indirectly, with any person to distribute the Common Stock. Upon the Company being notified in writing by a selling stockholder that any material arrangement has been entered into with a broker-dealer for the sale of Common Stock through a block trade, special offering, exchange distribution or secondary distribution or a purchase by a broker or dealer, a supplement to this prospectus will be filed, if required, pursuant to Rule 424(b) under the Securities Act, disclosing (i) the name of each such selling stockholder and of the participating broker-dealer(s), (ii) the number of shares involved, (iii) the price at which such shares of Common Stock were sold, (iv) the commissions paid or discounts or concessions allowed to such broker-dealer(s), where applicable, (v) that such broker-dealer(s) did not conduct any investigation to verify the information set out or incorporated by reference in this prospectus, and (vi) other facts material to the transaction. In no event shall any broker-dealer receive fees, commissions and markups, which, in the aggregate, would exceed eight percent (8%).

Under the securities laws of some states, the Shares may be sold in such states only through registered or licensed brokers or dealers. In addition, in some states the Shares may not be sold unless such shares have been registered or qualified for sale in such state or an exemption from registration or qualification is available and is complied with.

There can be no assurance that any selling stockholder will sell any or all of the Shares registered pursuant to the Registration Statement, of which this prospectus forms a part.

Each selling stockholder and any other person participating in such distribution will be subject to applicable provisions of the Exchange Act, and the rules and regulations thereunder, including, without limitation, Regulation M of the Exchange Act, which may limit the timing of purchases and sales of any of the Shares by the selling stockholder and any other participating person. Regulation M may also restrict the ability of any person engaged in the distribution of the Shares to engage in market-making activities with respect to the shares of Common Stock. All of the foregoing may affect the marketability of the Shares and the ability of any person or entity to engage in market-making activities with respect to the Shares.

The selling stockholders will pay any underwriting discounts and commission incurred in disposing of the Shares. We will bear all other expenses incident to our performance of or compliance with the Registration Rights Agreement, including (i) all registration and filing fees, (ii) all fees and expenses in connection with compliance with any

securities or “Blue Sky” laws, (iii) all printing and delivery expenses, (iv) all fees and disbursements of counsel for the Company and of all independent certified public accountants of the Company, (v) Securities Act liability insurance or similar insurance if the Company so desires or the underwriters so require in accordance with then-customary underwriting practice, (vi) all fees and expenses incurred in connection with the listing of the Shares on any securities exchange, (vii) all reasonable fees and disbursements of one legal counsel for the selling stockholders in an amount not to exceed \$50,000 in the aggregate during the term of the Registration Rights Agreement, (viii) any reasonable fees and disbursements of underwriters customarily paid by issuers or sellers of securities, (ix) all fees and expenses of any special experts retained by the Company in connection with any registration, (x) all of the Company’s internal expenses (including all salaries and expenses of its officers and employees performing legal or accounting duties), (xi) all expenses related to the “road-show” for any underwritten offering, including all travel, meals and lodging and (xii) any other fees and disbursements customarily paid by the issuers of securities. We will indemnify the selling stockholders against certain liabilities, including some liabilities under the Securities Act, in accordance with the Registration Rights Agreement, or the selling stockholders will be entitled to contribution. We may be indemnified by the selling stockholders against civil liabilities, including liabilities under the Securities Act, that may arise from any written information furnished to us by the selling stockholders specifically for use in this prospectus, in accordance with the Registration Rights Agreement, or we may be entitled to contribution.

LEGAL MATTERS

The validity of the Shares to be offered for resale by the selling stockholders under this prospectus will be passed upon for us by Cooley LLP, San Diego, California.

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EXPERTS

The financial statements, schedule and management's assessment of the effectiveness of internal control over financial reporting incorporated by reference in this prospectus and elsewhere in the Registration Statement of which this prospectus is a part have been so incorporated by reference in reliance upon the reports of Marcum LLP, independent registered public accountants, upon the authority of said firm as experts in accounting and auditing.

INFORMATION INCORPORATED BY REFERENCE

The SEC allows us to "incorporate by reference" into this prospectus the information we file with them, which means that we can disclose important information to you by referring you to those documents. Any statement contained or incorporated by reference in this prospectus shall be deemed to be modified or superseded for purposes of this prospectus to the extent that a statement contained herein, or in any subsequently filed document which also is incorporated by reference herein, modifies or supersedes such earlier statement. Any such statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this prospectus. We incorporate by reference the documents listed below:

the description of our common stock in our registration statement on Form 8-A filed with the SEC on April 21, 2016, including any amendments or reports filed for the purpose of updating such description;

our Annual Report on Form 10-K for the fiscal year ended December 31, 2016, filed with the SEC on March 16, 2017;

our Quarterly Reports on Form 10-Q filed with the SEC on May 11, 2017 and August 10, 2017;

our Current Reports on Form 8-K (other than information furnished rather than filed) filed with the SEC on January 6, 2017, February 17, 2017, February 23, 2017, March 28, 2017, April 19, 2017, April 27, 2017, May 2, 2017, May 25, 2017, June 12, 2017, June 23, 2017, August 14, 2017, August 21, 2017, August 23, 2017, September 6, 2017 and October 10, 2017; and

our Definitive Proxy Statement on Schedule 14A and amendment thereto filed with the SEC on May 1, 2017.

We also incorporate by reference into this prospectus all documents (other than Current Reports furnished under Item 2.02 or Item 7.01 of Form 8-K and exhibits filed on such form that are related to such items) that are subsequently filed by us with the SEC pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act prior to the termination of the offering of the securities made by this prospectus (including documents filed after the date of the initial Registration Statement of which this prospectus is a part and prior to the effectiveness of the Registration Statement). These documents include periodic reports, such as Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q and Current Reports on Form 8-K, as well as proxy statements.

Any statement contained in this prospectus or in a document incorporated or deemed to be incorporated by reference into this prospectus will be deemed to be modified or superseded to the extent that a statement contained in this prospectus or any subsequently filed document that is deemed to be incorporated by reference into this prospectus

modifies or supersedes the statement

You may request a copy of these filings at no cost, by contacting us at the following address or telephone number:

ChromaDex Corporation
10005 Muirlands Boulevard
Suite G
Irvine, CA 92618
Attn.: Corporate Secretary

Information contained on our website, www.chromadex.com, is not a prospectus and does not constitute part of this prospectus.

WHERE YOU CAN FIND ADDITIONAL INFORMATION

We file annual, quarterly, and current reports, proxy statements and other information with the SEC under the Exchange Act. You may read and copy any document we file at the SEC's Public Reference Room located at 100 F Street, N.E., Washington, D.C. 20549. You may obtain information on the operation of the public reference room by calling the SEC at 1-800-SEC-0330. Our filings with the SEC also are available from the SEC's internet site at <http://www.sec.gov>, which contains reports, proxy and information statements, and other information regarding issuers that file electronically. You may obtain a copy of these filings at no cost by writing us at the following address: ChromaDex Corporation, 10005 Muirlands Boulevard Suite G, Irvine, CA 92618, Attn.: Corporate Secretary.

Table of ContentsPART II.
INFORMATION NOT REQUIRED IN PROSPECTUS

Item 14. Other Expenses of Issuance and Distribution.

The following is a statement of the estimated expenses to be incurred by us in connection with the registration of the securities under this Registration Statement, all of which will be borne by us.

Securities and Exchange Commission Registration Fee	\$958
Legal Fees and Expenses	100,000
Accountants' Fees and Expenses	20,000
Miscellaneous	9,042
Total	\$130,000

Item 15. Indemnification of Directors and Officers.

Section 145 of the Delaware General Corporation Law, or the DGCL, empowers a Delaware corporation to indemnify any persons who are, or are threatened to be made, parties to any threatened, pending, or completed legal action, suit, or proceeding, whether civil, criminal, administrative, or investigative (other than an action by or in the right of such corporation), by reason of the fact that such person was an officer or director of such corporation, or is or was serving at the request of such corporation as a director, officer, employee, or agent of another corporation or enterprise. The indemnity may include 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, provided that such officer or director acted in good faith and in a manner he reasonably believed to be in or not opposed to the corporation's best interests, and, for criminal proceedings, had no reasonable cause to believe his conduct was illegal. A Delaware corporation may indemnify officers and directors in an action by or in the right of the corporation under the same conditions, except that no indemnification is permitted without judicial approval if the officer or director is adjudged to be liable to the corporation in the performance of his duty. Where an officer or director is successful on the merits or otherwise in the defense of any action referred to above, the corporation must indemnify him against the expenses which such officer or director actually and reasonably incurred.

Our bylaws provide that we will indemnify our directors and officers to the fullest extent permitted by Delaware law, except that no indemnification will be provided to a director, officer, employee, or agent if the indemnification sought is in connection with a proceeding initiated by such person without the authorization of our board of directors. The bylaws also provide that the right of directors and officers to indemnification shall be a contract right and shall not be exclusive of any other right now possessed or hereafter acquired under any statute, provision of the certificate of incorporation, bylaw, agreement, vote of stockholders or disinterested directors or otherwise. The bylaws also permit us to secure insurance on behalf of any officer, director, employee, or other agent for any liability arising out of his or her actions in such capacity, regardless of whether the bylaws would permit indemnification of any such liability.

In accordance with Section 102(b)(7) of the DGCL, our certificate of incorporation provides that directors shall not be personally liable for monetary damages for breaches of their fiduciary duty as directors except for (i) breaches of their duty of loyalty to us or our stockholders, (ii) acts or omissions not in good faith or which involve intentional misconduct or knowing violations of law, (iii) certain transactions under Section 174 of the DGCL (unlawful payment of dividends or unlawful stock purchases or redemptions), or (iv) transactions from which a director derives an improper personal benefit. The effect of this provision is to eliminate the personal liability of directors for monetary damages or actions involving a breach of their fiduciary duty of care, including any actions involving gross negligence.

In addition, we have entered into indemnification agreements with our directors and officers that require us, among other things, to indemnify them against certain liabilities that may arise by reason of their status or service, so long as the indemnitee acted in good faith and in a manner the indemnitee reasonably believed to be in or not opposed to the best interests of ChromaDex, and, with respect to any criminal action or proceeding, the indemnitee had no reasonable cause to believe his or her conduct was unlawful. We also maintain director and officer liability insurance to insure our directors and officers against the cost of defense, settlement or payment of a judgment under specified circumstances.

Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers or persons controlling us pursuant to the foregoing provisions, we have been informed that in the opinion of the SEC such indemnification is against public policy as expressed in the Securities Act and is therefore unenforceable.

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Item 16. Exhibits.

Exhibit Number	Description
<u>3.1</u>	Amended and Restated Certificate of Incorporation of ChromaDex Corporation, a Delaware corporation (incorporated by reference from, and filed as Exhibit 3.1 to the Company's Annual Report on Form 10-K filed with the SEC on March 16, 2017)
<u>3.2</u>	Certificate of Amendment to the Certificate of Incorporation of ChromaDex Corporation, a Delaware corporation (incorporated by reference from, and filed as Exhibit 3.1 to the Company's Current Report on Form 8-K filed with the SEC on April 12, 2016)
<u>3.3</u>	Bylaws of ChromaDex Corporation, a Delaware corporation (incorporated by reference from, and filed as Exhibit 3.2 to the Company's Current Report on Form 8-K filed with the SEC on June 24, 2008)
<u>3.4</u>	Amendment to Bylaws of ChromaDex Corporation, a Delaware corporation (incorporated by reference from, and filed as Exhibit 3.1 to the Company's Current Report on Form 8-K filed with the SEC on July 19, 2016)
<u>4.1</u>	Form of Stock Certificate representing shares of ChromaDex Corporation Common Stock (incorporated by reference from, and filed as Exhibit 4.1 of the Company's Annual Report on Form 10-K filed with the SEC on April 3, 2009)
<u>4.2</u>	Investor's Rights Agreement, effective as of December 31, 2005, by and between The University of Mississippi Research Foundation and ChromaDex (incorporated by reference from, and filed as Exhibit 4.1 to the Company's Current Report on Form 8-K filed with the SEC on June 24, 2008)
<u>4.3</u>	Tag-Along Agreement effective as of December 31, 2005, by and among the Company, Frank Louis Jaksch, Snr. & Maria Jaksch, Trustees of the Jaksch Family Trust, Margery Germain, Lauren Germain, Emily Germain, Lucie Germain, Frank Louis Jaksch, Jr., and the University of Mississippi Research Foundation (incorporated by reference from, and filed as Exhibit 4.2 to the Company's Current Report on Form 8-K filed with the SEC on June 24, 2008)
<u>4.4</u>	Form of Stock Certificate representing shares of ChromaDex Corporation Common Stock (New design effective as of January 1, 2016, incorporated by reference from and filed as Exhibit 4.4 to the Company's Annual Report on Form 10-K filed with the SEC on March 17, 2016)
<u>5.1</u>	Opinion of Cooley LLP
<u>10.1</u>	Securities Purchase Agreement, dated April 26, 2017, by and among ChromaDex Corporation and the Purchasers (incorporated by reference from, and filed as Exhibit 99.1 to the Company's Current Report on Form 8-K filed with the SEC on April 27, 2017)
<u>10.2</u>	First Amendment to Securities Purchase Agreement, dated May 24, 2017, by and among ChromaDex Corporation and the Purchasers (incorporated by reference from, and filed as Exhibit 99.1 to the Company's Current Report on Form 8-K filed with the SEC on May 25, 2017)

- 23.1 Consent of Marcum LLP
- 23.2 Consent of Cooley (included in Exhibit 5.1)
- 24.1 Powers of Attorney (included in signature page hereto)

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Item 17. Undertakings.

The undersigned registrant hereby undertakes:

(a)(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 of 1933;

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 SEC 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 Fee" table in the effective registration statement;

(ii) 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), (a)(1)(ii) and (a)(1)(iii) of this section do not apply if the registration statement is on Form S-3 and the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the SEC by the registrant pursuant to Section 13 or Section 15(d) of the Exchange Act that are incorporated by reference in the registration statement, or is contained in a form of prospectus filed pursuant to Rule 424(b) that is part of the registration statement.

(2) That, for the purpose of determining any liability under the Securities Act of 1933, 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.

(4) That, for the purpose of determining liability under the Securities Act of 1933 to any purchaser:

(i) each prospectus filed by the registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and

(ii) each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5) or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vii) or (x) for the purpose of providing the information required by Section 10(a) of the Securities Act shall be deemed to be part of and included in the registration statement as of the earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which the prospectus relates, and the offering of such securities at that time shall be

deemed to be the initial bona fide offering thereof. Provided, however, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such effective date.

(b) The undersigned registrant 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 SEC 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 of the registrant 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.

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SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Irvine, State of California, October 31, 2017.

CHROMADEX
CORPORATION

By: /s/ Frank L. Jaksch Jr.
Frank L. Jaksch Jr.
Chief Executive Officer

POWER OF ATTORNEY

Each person whose signature appears below constitutes and appoints Frank L. Jaksch Jr. and Kevin M. Farr, and each of them, as his or her true and lawful attorney-in-fact and agent, each acting alone, with full power of substitution and resubstitution, for him or her and in his or her name, place and stead, in any and all capacities, to sign any or all amendments (including post-effective amendments) to this Registration Statement on Form S-3, and to file the same, with all exhibits thereto, and all documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorney-in-fact and agent, full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully to all intents and purposes as he or she might or could do in person, hereby ratifying and confirming all that said attorney-in-fact and agent, or his or her substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, as amended, this Registration Statement has been signed by the following persons in the capacities and on the dates indicated.

Signature	Title	Date
/s/ FRANK L. JAKSCH JR. Frank L. Jaksch Jr.	Chief Executive Officer and Director (Principal Executive Officer)	October 31, 2017
/s/ KEVIN M. FARR Kevin M. Farr	Chief Financial Officer and Secretary (Principal Financial and Accounting Officer)	October 31, 2017
/s/ ROBERT FRIED Robert Fried	President, Chief Strategy Officer and Director	October 31, 2017
/s/ STEPHEN ALLEN Stephen Allen	Chairman of the Board and Director	October 31, 2017
/s/ STEPHEN BLOCK Stephen Block	Director	October 31, 2017
/s/ JEFF BAXTER Jeff Baxter	Director	October 31, 2017
/s/ KURT GUSTAFSON Kurt Gustafson	Director	October 31, 2017

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Kurt Gustafson

/s/ TONY LAU

Tony Lau

Director

October 31, 2017

/s/ STEVEN RUBIN

Steven Rubin

Director

October 31, 2017

/s/ WENDY YU

Wendy Yu

Director

October 31, 2017

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