

Enhancing health through cannabis science



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Disclaimer

The statements made in this presentation may include forward-looking statements regarding the future operations, opportunities or financial performance of emerald health therapeutics (the "company"). Forward looking statements include the estimated increase in the company's production square footage; increases in the company's production; the legalization of recreational cannabis; the size of the medical cannabis market and the recreational cannabis market; the company's expansion goals including scalability, increases in square footage, production and revenue; the company's position in the cannabis market in respect of demand and competition; the company becoming a leading brand in cannabis-based products; and the company's near to long term goals including increases in patient acquisition, facility expansion, clinical trials and product development as well as market capture, revenue and consolidation of the cannabis market.

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These risks and uncertainties relate to, among other things, changes in laws, regulations and guidelines relating to medical cannabis and the possible legalization of cannabis by the federal government; changes in government; changes in governmental policy; the continued availability of capital financing and general economic, market or business conditions; reliance on management; the inability of the company to expand its current facility or obtain additional facility space; failure to obtain approval by health Canada for the company to increase production and production square footage; unfavorable publicity or consumer perception of the medical cannabis industry; the impact of any negative scientific studies on the effects of cannabis; the growth in the medical and recreational cannabis markets being less than anticipated; increased competition in the market place; the company's ability to meet its near and long-term goals; and the company's ability to retain a competitive advantage if cannabis is legalized as well as the risk factors set out in the company's annual information form and other publicly filed disclosure documents. Undue reliance should not be placed on forward looking statements, which speak only as of the date hereof.

All forward-looking statements contained herein are qualified in their entirety by the foregoing cautionary statements. Reliance should not be placed on forward looking statements, which speak only as of the date hereof.



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Building Pillars for Unique Positioning in Cannabis Industry

Strategy delivering competitive differentiation in conjunction with key legislative and market turning points in the Canadian cannabis industry





Emerald Highlights

8th licensed Canadian producer – Produce & sell dry & extracted products

Expertise – Extensive experience in life sciences, agri-business, cannabis, marketing

Innovation – Decades of pharma/biotech product development for higher margins

Scale –JV 1.1M sf + 3.7M sf option; additional 575K sf in established/planned grow facilities

Cost leadership - Knowledge/infrastructure to be high volume, low cost producer

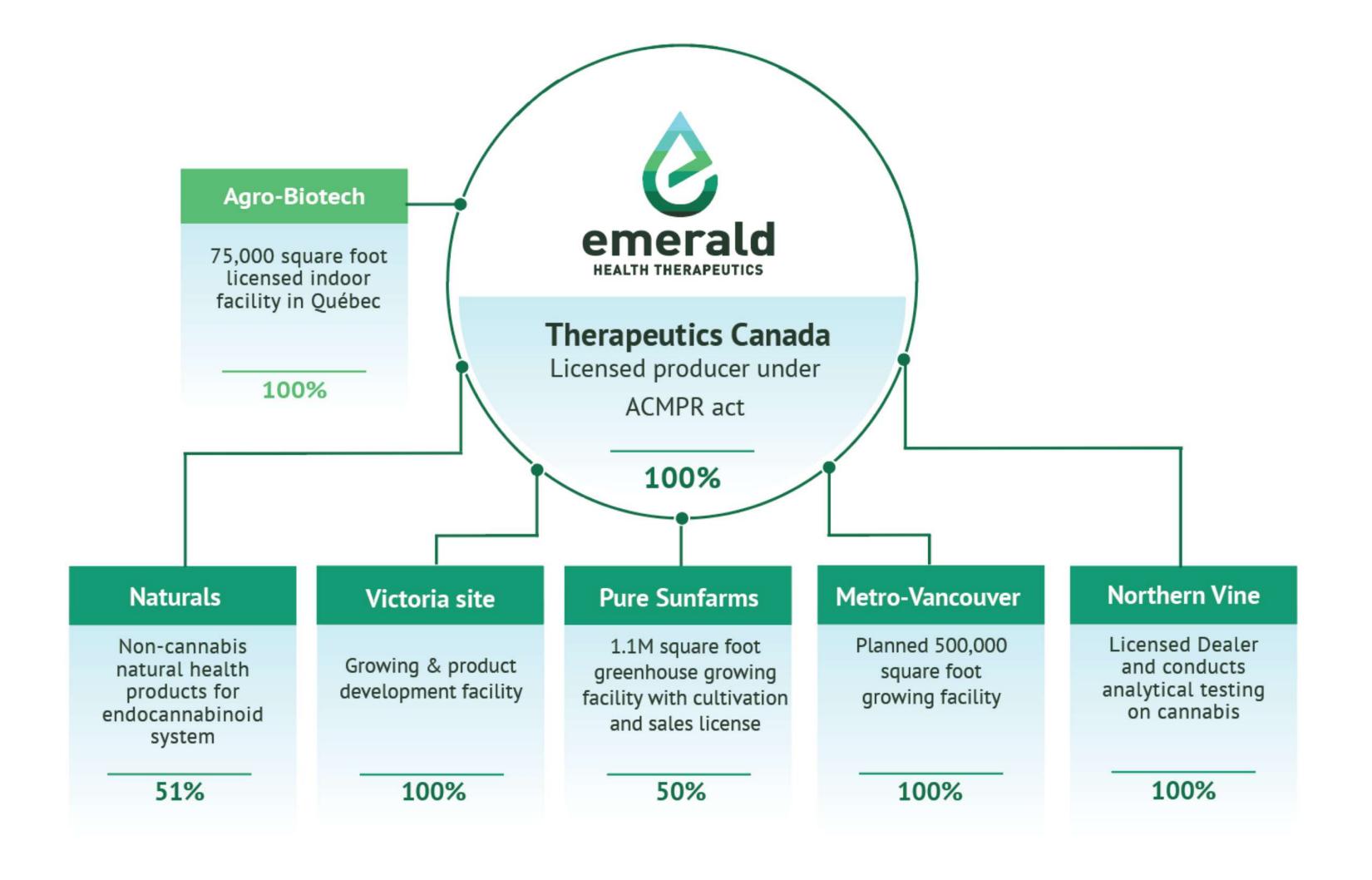
Branding – World-class marketing expertise internally and externally

Capitalized – \$ 74 M in treasury (18/05/25)

Sales – Supply MOU with BCLDB for 13,000 kg / 1.5 years for Canadian recreational market



Emerald Company Structure





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Experienced Management Team

Chris Wagner, BSc

CEO

25+ years: pharma product development and marketing; Eli Lily; Aspreva, Contextual Genomics

Maheep Dhillon

VP Corporate Development

10 years: development management and accelerating corporate expansion

Rob Hill, CPA, CA

CFO

20+ years: accounting & finance; Haywood Securities, KPMG

Frey Garabagi, PhD

VP R&D and QAP

10+ years: R&D in plant molecular genetics and medical technologies

Paul Dillman, BSc, MSc

Executive VP Marketing, Sales and Operations

30+ years: global marketing & sales; Philip Morris International, Coca-Cola, Kraft Foods

Rebecca Wong, BSc

VP Quality Affairs

25+ years: quality assurance and quality control; Novelion Therapeutics

Michael Bierman

VP Operations

25 years: manufacturing management, product development, and marketing

Traviss Graham

VP Production

15+ years: cannabis production, processing, and product development



Board Of Directors

Raised over \$1 billion; built multiple life science companies

Jim Heppell, BSc, LLB

Director and former CEO, Sophiris Bio Inc. (NASDAQ:SPHS) and previous president and director of BC Advantage Funds

Avtar Dhillon, MD

Executive Chairman and former CEO, Inovio Pharmaceuticals Inc. (NASDAQ:INO) and board member of several life science companies

Chris Wagner, BSc

Chairman and former CEO, Contextual Genomics Inc.; helped build Aspreva to takeout; launched Cialis® and Prozac® at Eli Lilly

Bob Rai, BSc

CEO and director, VANC Pharmaceuticals Inc. (TSX: NPH) and 20 years of pharmacy experience

Punit Dhillon, BA

Co-founder/director, OncoSec Medical (NASDAQ: ONCS); past VP Finance/Operations, Inovio Pharmaceuticals Inc.



Low cost and High-Quality Cultivation Facilities

Serving eastern and western markets

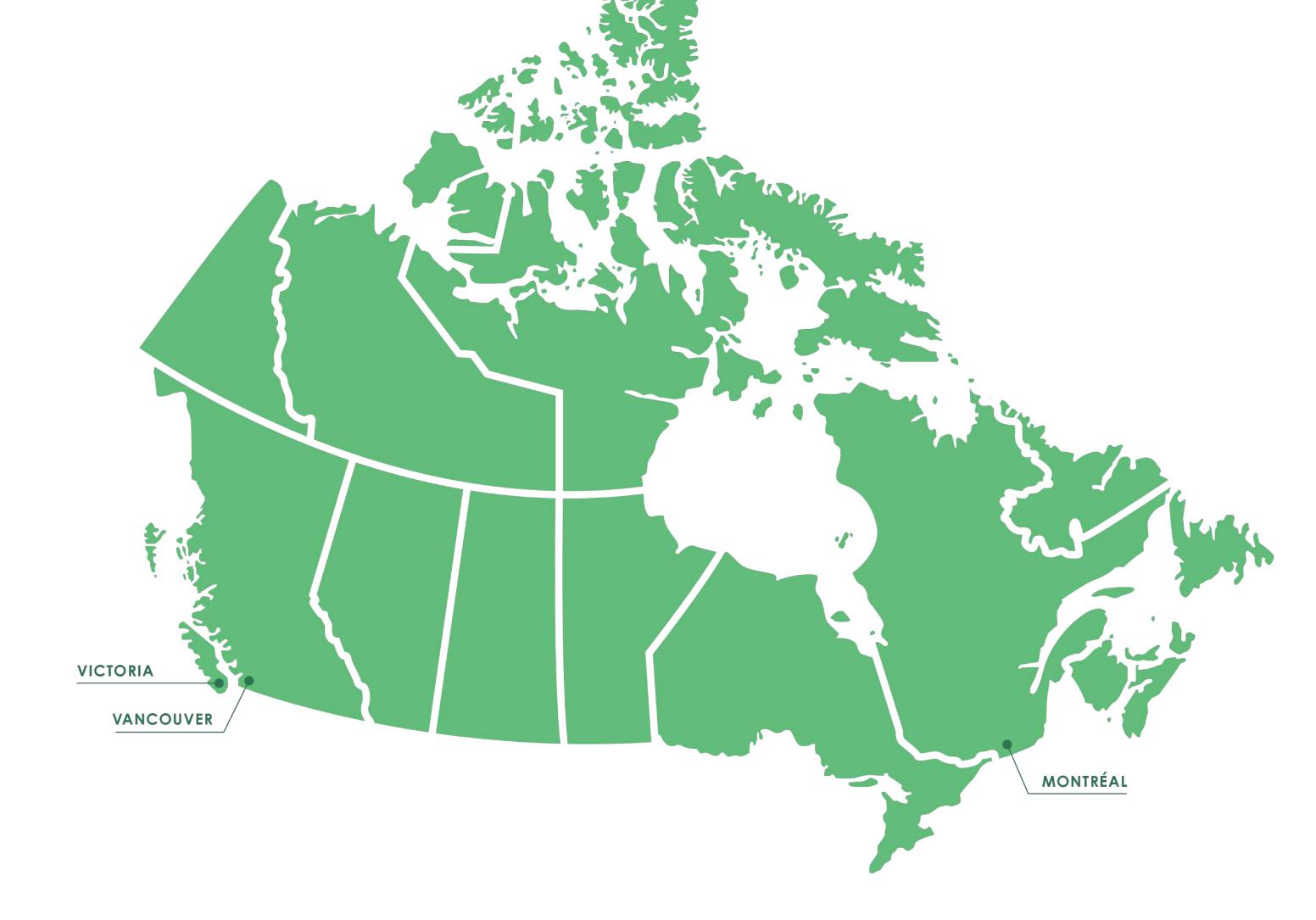
VANCOUVER

Top-tier licensed JV greenhouse operation with 1.1M sf in commercial cultivation and sales with 3.7M sf expansion potential; expansion project with planned 500K greenhouse

VICTORIA

First Emerald operation, 8th LP under ACMPR, small indoor facility

MONTRÉAL 75,000 sf licensed indoor growing facility





British Columbia: Pure Sunfarms Joint Venture, Delta

- Combines industry-leading cannabis and greenhouse growing expertise
- Existing infrastructure plus sophisticated greenhouse processes & new systems
- Rapid scaling with reduced execution risk



Decades of high-tech, low-cost, safe greenhouse growing expertise

50%



Focused on large-scale, high quality, low-cost production

1.1 M sf greenhouse



Decades of cannabis cultivation expertise; genetics; HC license and relationship

50%





One of Single Largest and Most Sophisticated Cannabis Growing Facilities



Facility Capability

Transformational Opportunity

Conservative target of <\$1.00/gram

Reduced construction and operating risk Scaling production to increase capacity

Supply agreement: Emerald will purchase 40% of Pure Sunfarms' production in 2018 and 2019 at pre-determined price per gram



Converted First Quarter of 1.1M SF Greenhouse Facility; Commercial Cultivation Launched

- Meticulous attention to growing environment and systems, processing areas and production ramp up
- Automated growing system proven in different crops to provide optimal efficiencies
- Leading HVAC system; extensive climate management experience & advanced data systems
- High-tech light deprivation/supplementation systems, with individual control of 17 grow rooms
- Mandesh Dosanjh has been appointed President and Chief Executive Officer; Former Senior Vice President, Supply Chain and Wholesale, at the Liquor Control Board of Ontario (LCBO)





Massive Potential Grow Capacity with Options on Additional Facilities

Delta 3 (D3)

- 1.1 M sq ft
- Site granted cultivation license by Health Canada (18/3/02)
- Site granted sales license by Health Canada (18/7/30)
- Site receives amendment to expand operational production area by 195K sf to ~ 420K sf (18/8/23)

D2 + D1

 3.7 M sq ft optional expansion



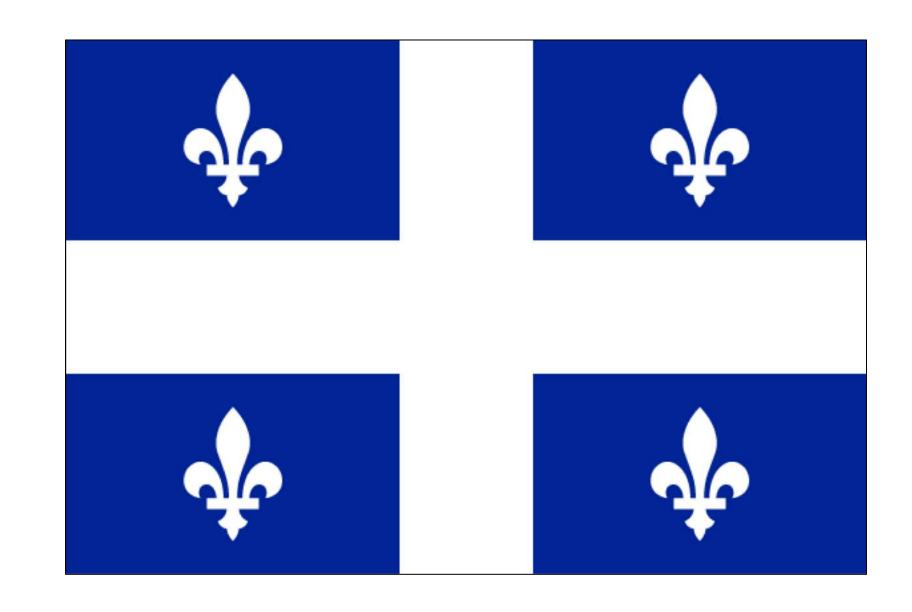


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Québec: Agro-Biotech

Production/distribution in 2nd largest province and Eastern Canada

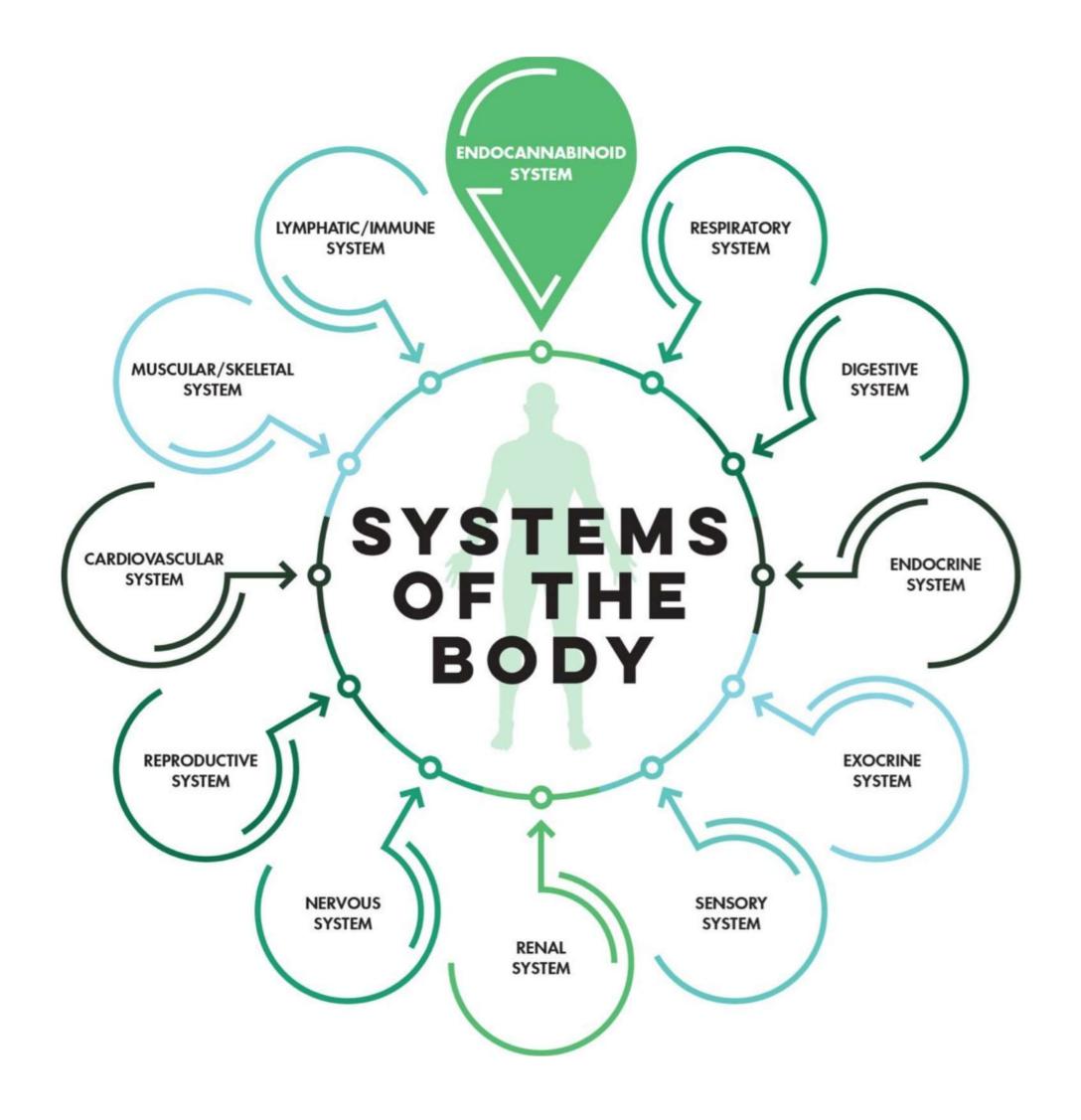
- Licensed Producer in Saint-Eustache,
 Québec, near Montréal
- 75,000 sf facility with planned
 50,000 sf indoor growing area
- Growing first batches
- Cultivation of range of high quality strains
- Low-cost energy and water for efficient production



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The Endocannabinoid System

- System of receptors that interacts with tissues, organs and the immune system
- Composed of endocannabinoids and cannabinoid receptors
- Helps modulate mood, appetite, inflammation and many other functions that promote health and homeostasis
- Cannabis compounds interact with the endocannabinoid system and may have therapeutic effects





Potential Health Effects of Cannabinoids

		<u>}</u>	3			%	%		\sum	
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Pain relief										Analgesis
Reduces inflammation										Anti-inflamatory
Supresses appetite										Anoretic
Stimulates appetite										Appetite stimulant
Reduces vomiting and nausea										Antimetic
Reduces contractions of small intestine										Intestinal antiprokinetic
Relieves anxiety										Anxiolytic
Tranquilizing / psychosis management										Antipsychotic
Reduces seizures and convulsions										Antiepileptic
Suppresses muscle spasms										Antispasmodic
Aides sleep										Anti-insomnia
Reduces efficacy of immune system										Immunosuppresive
Reduces blood sugar levels										Anti-diabetic
Prevents nervous system degeneration										Neuroprotective
Treats psoriasis										Antipsioratic
Reduces risk of artery blockage										Anti-ischemic
Kills or slows bacteria growth										Anti-bacterial
Treats fungal infection										Anti-fungal
Inhibits cell growth in tumours / cancer										Anti-proliferative
Promotes bone growth										Bone-stimulant



Current Product Line

Generating value: unique strains, product innovation & diversity





Emerald has developed distinctive whole plant extracts from its unique strains, including a spectrum of THC to CBD content, and one of the few THCA products.





Intellectual Property & Product Innovation: High Margin Focus

Science and innovation to drive value

Demonstrate clinical utility

SCIENCE DRIVEN

Genetics, characteristics, dosage, delivery and diversity

VALUE ADDED, UNIQUE

Low cost cultivation

HIGHLY COMPETITIVE





Advancing Cannabis Science

Emerald studying THCA in Canada

- THCA, a non-psychotropic cannabinoid, shows potential in animals to treat neurodegenerative, neuroinflammatory diseases, metabolic disorders and other ailments
- EHT product line includes THCA
- Animal study now underway at UBC
- First human study of cannabinoids in 2018



RESEARCH PAPER

Tetrahydrocannabinolic acid is a potent PPARy agonist with neuroprotective activity.

Xavier Nadal, Carmen del Río, Salvatore Casano, Belén Palomares, Carlos Ferreiro-Vera, Carmen Navarrete, Carolina Sánchez-Carnerero, Irene Cantarero, M Luz Bellido, Stefan Meyer, Gaetano Morello, Giovanni Appendino, Eduardo Muñoz ☑

Accepted manuscript online: 29 August 2017 Full publication history



Emerald Testing and Innovation Laboratory

Health Canada Licensed Dealer



Emerald owns Northern Vine Laboratories

- Cannabis analytical/testing services for LPs
- Import/export cannabis oils
- Permitted research and development activities beyond producer license

Proactive Branding & Distribution

Retained top marketing/branding agency

- Appointed DDB, one of the top marketing/branding agencies in Canada, as agency of record
- Investing heavily in branding/ marketing/sales of Emerald branded cannabis product

Established supply MOU with British Columbia Liquor Distribution Board for recreational market

• 13,000 kg / 1.5 years

























Innovative Channel Branding Strategy

Innovative channel branding strategy

- Leverage Canadian natural health product, grocery, and pharmacy stores for Emerald brand
- Introduce and brand award-winning US nutraceutical product line through JV, called Emerald Health Naturals, with Emerald Health Bioceuticals
- Non-cannabis, non-psychoactive, plant based products that support endocannabinoid system for health and well-being



6 of 10 cannabis users also purchase natural health products



Emerald Health Naturals' Product Line

Proprietary non-cannabis health products to expose brand in unique channels





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Strategic Growth Initiatives in 2018

Significantly increased production 2H 2018

Large scale sophisticated extraction

Animal and clinical studies

IP and product development

Branded new product launches

Distribution agreements/partnerships



Capitalization

	All Shareholders	Largest Shareholder: Emerald Health Sciences
Common Shares o/s	135.4 M ¹	43.2 M (32%) ¹
Options and Warrants	22.4 M	4.4 M (20%)
Fully Diluted	157.8 M	47.6 M (30%)
Market Cap	\$582.5 M ²	

1.09 M ³
three month average daily volume

\$74 M¹ cash



¹18/5/30 ²18/8/22 ³TSX.V + OTCQX





Thank you!

TO LEARN MORE PLEASE CONTACT:

INVEST@EMERALDHEALTH.CA

TSXV: EMH

OTCQX: EMHTF



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