



PPB Analytical Inc.

30 Tempo Ave, Toronto, ON M2H 2N8 (647)-812-5296
info@ppbanalytical.com | https://ppbanalytical.com/

Certificate of Analysis

Client Name	Vertuose Culture Inc.		
Client Address	770 chemin de la riviere, Boileau, Quebec, J0V 1N0		
Client Contact	Karine Desjardins (karine@vertuoseculture.com)		
PPB Analytical Sample ID	3025_0351	Sample Receiving Date	Jan. 29, 2025
Receiving Condition	Ambient	Sample Registration Date	Jan. 29, 2025
Sample Size [#]	56 g	Test Report Date	Feb. 04, 2025
Sample Matrix [#]	Concentrates		
Sample Code [#]	F-PR-H-2023-001		
Sample Description [#]	Old Press CBD Hash, Lot: F-PR-H-2023-001		

Microbial Scan				
Analyte	ATL*	RDL*	Result	Unit
Total Aerobic Microbial Count	NMT 200 000	< 5	< 5	CFU/g
Method: USP <2021>				
Analysis Date: Jan. 29, 2025 – Feb. 01, 2025				
Total Combined Yeasts and Molds	NMT 20 000	< 5	35	CFU/g
Method: USP <2021>				
Analysis Date: Jan. 29, 2025 – Feb. 03, 2025				
Bile Tolerant Gram Negatives	NMT 10 000	< 10	< 10	CFU/g
Method: USP <2021>				
Analysis Date: Jan. 29, 2025 – Jan. 31, 2025				
<i>Salmonella spp.</i>	Absent	Absent	Absent	in 10 g
Method: USP <2022>				
Analysis Date: Jan. 29, 2025 – Feb. 01, 2025				
<i>Escherichia coli</i>	Absent	Absent	Absent	in 1 g
Method: USP <2022>				
Analysis Date: Jan. 29, 2025 – Feb. 02, 2025				



PPB Analytical Inc.

30 Tempo Ave, Toronto, ON M2H 2N8 (647)-812-5296

info@ppbanalytical.com | https://ppbanalytical.com/

Cannabinoid Profile

Total THC	2.232	% (w/w)
Total CBD	46.898	% (w/w)

Analyte	Specification	LOD ^{##} % (w/w)	LOQ ^{##} % (w/w)	Result mg/g	Result % (w/w)
CBDVA	Report	0.009	0.027	5.7585	0.576
CBDV	Report	0.021	0.063	8.5088	0.851
CBDA	Report	0.011	0.032	408.9214	40.892
CBGA	Report	0.008	0.025	14.2501	1.425
CBG	Report	0.019	0.056	ND	ND
CBD	Report	0.019	0.058	110.3567	11.036
THCV	Report	0.019	0.058	ND	ND
THCVA	Report	0.008	0.024	ND	ND
CBN	Report	0.019	0.058	ND	ND
Delta-9-THC	Report	0.019	0.056	9.2480	0.925
Delta-8-THC	Report	0.019	0.058	ND	ND
CBC	Report	0.016	0.047	ND	ND
Delta-9-THCA	Report	0.014	0.041	14.9033	1.490
CBCA	Report	0.010	0.032	19.6476	1.965
Total THC**	Report			22.3182	2.232
Total CBD***	Report			468.9807	46.898

** Total THC = delta9-THC + 0.877 × THCA-A; *** Total CBD = CBD + 0.877 × CBDA

ND = Not Detected (< LOD)

Method: TM-CA-002

Analysis Date: Jan. 29, 2025 – Jan. 30, 2025

Heavy metals

Analyte	ATL (NMT)*	LOD ^{##}	LOQ ^{##}	Result	Unit
Arsenic	0.2	0.008	0.100	< LOQ	ppm
Cadmium	0.3	0.004	0.100	< LOQ	ppm
Mercury	0.1	0.021	0.050	ND	ppm
Lead	0.5	0.005	0.200	< LOQ	ppm

ND = Not detected (< LOD)

Method: TM-CA-015

Analysis Date: Jan. 30, 2025 – Jan. 30, 2025

Mycotoxins

Analyte	ATL (NMT)*	LOD ^{##}	LOQ ^{##}	Result	Unit
Aflatoxin B1	2	0.1	2	ND	ppb
Aflatoxin B2	Report	0.1	2	ND	ppb

Test Report #: 202502011-01

PPB Analytical Sample ID: 3025_0351

Page 2 of 7



PPB Analytical Inc.

30 Tempo Ave, Toronto, ON M2H 2N8 (647)-812-5296

info@ppbanalytical.com | <https://ppbanalytical.com/>

Aflatoxin G1	Report	0.1	2	ND	ppb
Aflatoxin G2	Report	0.1	2	ND	ppb
Total Aflatoxins(B1+B2+G1+G2)	4			ND	ppb
Ochratoxin A	20	0.1	20	ND	ppb

ND = Not detected (< LOD)

Method: TM-CA-001

Analysis Date: Jan. 29, 2025 – Jan. 30, 2025

Pesticides – Health Canada					
Analyte	ATL (NMT)*	LOD ^{##}	LOQ ^{##}	Result	Unit
Abamectin	0.1	0.05	0.1	ND	ppm
Acephate	0.02	0.005	0.02	ND	ppm
Acequinocyl	0.03	0.005	0.03	ND	ppm
Acetamiprid	0.1	0.005	0.1	ND	ppm
Aldicarb	1	0.01	1	ND	ppm
Allethrin	0.2	0.05	0.2	ND	ppm
Azadirachtin	1	0.2	1	ND	ppm
Azoxystrobin	0.02	0.005	0.02	ND	ppm
Benzovindiflupyr	0.02	0.005	0.02	ND	ppm
Bifenazate	0.02	0.005	0.02	ND	ppm
Bifenthrin	1	0.01	1	ND	ppm
Boscalid	0.02	0.005	0.02	ND	ppm
Buprofezin	0.02	0.005	0.02	ND	ppm
Carbaryl	0.05	0.005	0.05	ND	ppm
Carbofuran	0.02	0.005	0.02	ND	ppm
Chlorantraniliprole	0.02	0.005	0.02	ND	ppm
Chlorphenapyr	0.05	0.01	0.05	ND	ppm
Chlorpyrifos	0.04	0.005	0.04	ND	ppm
Clofentezine	0.02	0.005	0.02	ND	ppm
Clothianidin	0.05	0.005	0.05	ND	ppm
Coumaphos	0.02	0.005	0.02	ND	ppm
Cyantraniliprole	0.02	0.005	0.02	ND	ppm
Cyfluthrin	0.2	0.05	0.2	ND	ppm
Cypermethrin	0.3	0.05	0.3	ND	ppm
Cyprodinil	0.25	0.005	0.25	ND	ppm
Daminozide	0.1	0.01	0.1	ND	ppm
Deltamethrin	0.5	0.05	0.5	ND	ppm
Diazinon	0.02	0.005	0.02	ND	ppm
Dichlorvos	0.1	0.005	0.1	ND	ppm
Dimethoate	0.02	0.005	0.02	ND	ppm

Test Report #: 202502011-01

PPB Analytical Sample ID: 3025_0351

Page 3 of 7



PPB Analytical Inc.

30 Tempo Ave, Toronto, ON M2H 2N8 (647)-812-5296

info@ppbanalytical.com | <https://ppbanalytical.com/>

Dimethomorph	0.05	0.005	0.05	ND	ppm
Dinotefuran	0.1	0.005	0.1	ND	ppm
Dodemorph	0.05	0.005	0.05	ND	ppm
Endosulfan sulfate	0.05	0.01	0.05	ND	ppm
Endosulfan-alpha	0.2	0.05	0.2	ND	ppm
Endosulfan-beta	0.05	0.01	0.05	ND	ppm
Ethoprophos	0.02	0.005	0.02	ND	ppm
Etofenprox	0.05	0.005	0.05	ND	ppm
Etoxazole	0.02	0.005	0.02	ND	ppm
Etridiazole	0.03	0.005	0.03	ND	ppm
Fenoxycarb	0.02	0.005	0.02	ND	ppm
Fenpyroximate	0.02	0.005	0.02	ND	ppm
Fensulfothion	0.02	0.005	0.02	ND	ppm
Fenthion	0.02	0.005	0.02	ND	ppm
Fenvalerate	0.1	0.01	0.1	ND	ppm
Fipronil	0.06	0.005	0.06	ND	ppm
Flonicamid	0.05	0.005	0.05	ND	ppm
Fludioxonil	0.02	0.005	0.02	ND	ppm
Fluopyram	0.02	0.005	0.02	ND	ppm
Hexythiazox	0.01	0.005	0.01	ND	ppm
Imazalil	0.05	0.005	0.05	ND	ppm
Imidacloprid	0.02	0.005	0.02	ND	ppm
Iprodione	1	0.05	1	ND	ppm
Kinoprene	0.5	0.01	0.5	ND	ppm
Kresoxim-methyl	0.02	0.005	0.02	ND	ppm
Malathion	0.02	0.005	0.02	ND	ppm
Metalaxyl	0.02	0.005	0.02	ND	ppm
Methiocarb	0.02	0.005	0.02	ND	ppm
Methomyl	0.05	0.005	0.05	ND	ppm
Methoprene	2	0.2	2	ND	ppm
Mevinphos	0.05	0.005	0.05	ND	ppm
MGK-264	0.05	0.005	0.05	ND	ppm
Myclobutanil	0.02	0.005	0.02	ND	ppm
Naled	0.1	0.05	0.1	ND	ppm
Novaluron	0.05	0.005	0.05	ND	ppm
Oxamyl	3	0.05	3	ND	ppm
Paclobutrazol	0.02	0.005	0.02	ND	ppm
Parathion-methyl	0.05	0.005	0.05	ND	ppm
Permethrin	0.5	0.05	0.5	ND	ppm
Phenothrin	0.05	0.005	0.05	ND	ppm

Test Report #: 202502011-01

PPB Analytical Sample ID: 3025_0351

Page 4 of 7



PPB Analytical Inc.

30 Tempo Ave, Toronto, ON M2H 2N8 (647)-812-5296

info@ppbanalytical.com | <https://ppbanalytical.com/>

Phosmet	0.02	0.005	0.02	ND	ppm
Piperonyl butoxide	0.2	0.005	0.2	ND	ppm
Pirimicarb	0.02	0.005	0.02	ND	ppm
Prallethrin	0.05	0.01	0.05	ND	ppm
Propiconazole	0.1	0.005	0.1	ND	ppm
Propoxur	0.02	0.005	0.02	ND	ppm
Pyraclostrobin	0.02	0.005	0.02	ND	ppm
Pyrethrins	0.05	0.005	0.05	ND	ppm
Pyridaben	0.05	0.005	0.05	ND	ppm
Quintozene	0.02	0.005	0.02	ND	ppm
Resmethrin	0.1	0.01	0.1	ND	ppm
Spinetoram	0.02	0.005	0.02	ND	ppm
Spinosad	0.1	0.005	0.1	ND	ppm
Spirodiclofen	0.25	0.05	0.25	ND	ppm
Spiromesifen	3	0.01	3	ND	ppm
Spirotetramat	0.02	0.005	0.02	ND	ppm
Spiroxamine	0.1	0.005	0.1	ND	ppm
Tebuconazole	0.05	0.005	0.05	ND	ppm
Tebufenozide	0.02	0.005	0.02	ND	ppm
Teflubenzuron	0.05	0.005	0.05	ND	ppm
Tetrachlorvinphos	0.02	0.005	0.02	ND	ppm
Tetramethrin	0.1	0.005	0.1	ND	ppm
Thiacloprid	0.02	0.005	0.02	ND	ppm
Thiamethoxam	0.02	0.005	0.02	ND	ppm
Thiophanate-methyl	0.05	0.005	0.05	ND	ppm
Trifloxystrobin	0.02	0.005	0.02	ND	ppm
ND = Not Detected (< LOD)					
Method: TM-CA-001					
Analysis Date: Jan. 29, 2025 – Jan. 30, 2025					

Terpene Profile

1.827 % (w/w)

Total Terpene

Analyte	Specification	LOD ^{##}	LOQ ^{##}	Result	Unit
(-)-alpha-Bisabolol	Report	0.0025	0.005	0.547	% (w/w)
beta-Caryophyllene	Report	0.0025	0.005	0.408	% (w/w)
(-)-Guaiol	Report	0.0025	0.005	0.331	% (w/w)
alpha-Humulene	Report	0.0025	0.005	0.158	% (w/w)
(-)-Caryophyllene oxide	Report	0.0025	0.005	0.130	% (w/w)

Test Report #: 202502011-01

PPB Analytical Sample ID: 3025_0351

Page 5 of 7



PPB Analytical Inc.

30 Tempo Ave, Toronto, ON M2H 2N8 (647)-812-5296

info@ppbanalytical.com | <https://ppbanalytical.com/>

alpha-Pinene	Report	0.0025	0.005	0.089	% (w/w)
trans-Nerolidol	Report	0.0025	0.005	0.043	% (w/w)
(-)-beta-Pinene	Report	0.0025	0.005	0.028	% (w/w)
L(-)-Borneol+ (+)-Borneol	Report	0.0025	0.005	0.027	% (w/w)
(1R)-endo-(+)-Fenchyl alcohol	Report	0.0025	0.005	0.019	% (w/w)
Linalool	Report	0.0025	0.005	0.013	% (w/w)
trans-beta-Farnesene	Report	0.0025	0.005	0.011	% (w/w)
Sabinene Hydrate	Report	0.0025	0.005	0.009	% (w/w)
Terpinene-4-ol	Report	0.0025	0.005	0.008	% (w/w)
alpha-Terpinene	Report	0.0025	0.005	0.006	% (w/w)
Camphene	Report	0.0025	0.005	< LOQ	% (w/w)
gamma-Terpinene	Report	0.0025	0.005	< LOQ	% (w/w)
Terpinolene	Report	0.0025	0.005	< LOQ	% (w/w)
Citronellol	Report	0.0025	0.005	< LOQ	% (w/w)
Sabinene	Report	0.0025	0.005	ND	% (w/w)
beta-Myrcene	Report	0.0025	0.005	ND	% (w/w)
R(-)-alpha-Phellandrene	Report	0.0025	0.005	ND	% (w/w)
(IS)-(+)-3-Carene	Report	0.0025	0.005	ND	% (w/w)
m-Isopropyltoluene	Report	0.0025	0.005	ND	% (w/w)
p-Isopropyltoluene (p-Cymene)	Report	0.0025	0.005	ND	% (w/w)
d-Limonene	Report	0.0025	0.005	ND	% (w/w)
Eucalyptol	Report	0.0025	0.005	ND	% (w/w)
o-Isopropyltoluene	Report	0.0025	0.005	ND	% (w/w)
Ocimene	Report	0.0025	0.005	ND	% (w/w)
Fenchone	Report	0.0025	0.005	ND	% (w/w)
(-)-alpha-Thujone	Report	0.0025	0.005	ND	% (w/w)
(-)-Isopulegol	Report	0.0025	0.005	ND	% (w/w)
Camphor	Report	0.0025	0.005	ND	% (w/w)
Menthone	Report	0.0025	0.005	ND	% (w/w)
Isoborneol	Report	0.0025	0.005	ND	% (w/w)
Menthol	Report	0.0025	0.005	ND	% (w/w)
d-Valerolactam	Report	0.0025	0.005	ND	% (w/w)
alpha-Terpineol	Report	0.0025	0.005	ND	% (w/w)
Safranal	Report	0.0025	0.005	ND	% (w/w)
Octyl acetate	Report	0.0025	0.005	ND	% (w/w)
(-)-Verbenone	Report	0.0025	0.005	ND	% (w/w)
Nerol	Report	0.0025	0.005	ND	% (w/w)
(R)-(+)-Pulegone	Report	0.0025	0.005	ND	% (w/w)
(S)-(+)-Carvone	Report	0.0025	0.005	ND	% (w/w)
Geraniol	Report	0.0025	0.005	ND	% (w/w)
Piperitone	Report	0.0025	0.005	ND	% (w/w)
Citral	Report	0.0025	0.005	ND	% (w/w)

Test Report #: 202502011-01

PPB Analytical Sample ID: 3025_0351

Page 6 of 7



PPB Analytical Inc.

30 Tempo Ave, Toronto, ON M2H 2N8 (647)-812-5296

info@ppbanalytical.com | <https://ppbanalytical.com/>

Thymol	Report	0.0025	0.005	ND	% (w/w)
Isobornyl acetate	Report	0.0025	0.005	ND	% (w/w)
Carvacrol	Report	0.0025	0.005	ND	% (w/w)
Geranyl Acetate	Report	0.0025	0.005	ND	% (w/w)
(-)-a-Cedrene	Report	0.0025	0.005	ND	% (w/w)
Valencene	Report	0.0025	0.005	ND	% (w/w)
cis-Nerolidol	Report	0.0025	0.005	ND	% (w/w)
Cedrol	Report	0.0025	0.005	ND	% (w/w)
Farnesol-1	Report	0.0025	0.005	ND	% (w/w)
Farnesol-2	Report	0.0025	0.005	ND	% (w/w)
Phytane	Report	0.0025	0.005	ND	% (w/w)
(+)-Nootkatone	Report	0.0025	0.005	ND	% (w/w)
Squalene	Report	0.0025	0.005	ND	% (w/w)
Total Terpene	Report			1.827	% (w/w)
ND = Not Detected (< LOD)					
Method: TM-CA-005					
Analysis Date: Jan. 30, 2025 – Jan. 31, 2025					

* RDL = Reporting Detection Limit; ATL (NMT) = Action Level (Not More Than)

LOQ = Limit of Quantification; LOD = Limit of Detection

Health Canada and/or United States and/or European Union MRLs are taken from Health Canada & Global Database (where applicable) on the preparation date of this report. Results shown in this report relate solely to the item submitted for analysis. Any opinions/interpretations expressed on this report are given independent of the laboratory's scope of accreditation. All results are reported on an "As Received" basis unless otherwise stated. PPB Analytical Inc. is responsible for all the information provided in the report, except when information is provided by the customer (marked as #). Reports shall not be reproduced except in full without written permission of PPB Analytical Inc. All work done in accordance with PPB Analytical Inc. Terms and Conditions. The decision rule applied in determining conformity is based on the requested specification or standard. For further details about the performing labs, please contact customer service at PPB Analytical Inc.

Signature:

Jade Dhalle P. Encarnacion

Title:

Quality Assurance Associate

Test Report #: 202502011-01

PPB Analytical Sample ID: 3025_0351

Page 7 of 7