



Certificate of Analysis

B.C. COA No.: VIT08474A-5 Rev. 2

B.C. SID: 5

Issue Date: 20-May-21

CLIENT INFORMATION

Client: [REDACTED]

Contact: [REDACTED]

PRODUCT INFORMATION

Product: Terpene Sauce

Lot No. 8B4VJ9

Analysis	Method	Specification	Result	Units	Date
Cannabinoids by HPLC					
Cannabidiol (CBD)	HPLC-UV	N/A	<0.025	mg/g	17-May-21
Cannabidiolic Acid (CBDA)	HPLC-UV	N/A	5.74	mg/g	17-May-21
Total CBD	Calculation	N/A	5.03	mg/g	17-May-21
Total CBD	Calculation	N/A	0.503	% (w/w)	17-May-21
Δ -9-Tetrahydrocannabinol (THC)	HPLC-UV	N/A	10.1	mg/g	17-May-21
Δ -9-Tetrahydrocannabinolic Acid	HPLC-UV	N/A	481	mg/g	17-May-21
Total THC	Calculation	N/A	432	mg/g	17-May-21
Total THC	Calculation	N/A	43.2	% (w/w)	17-May-21
Cannabidivarin (CBDV)	HPLC-UV	N/A	<0.025	mg/g	17-May-21
Cannbigerolic Acid (CBGA)	HPLC-UV	N/A	23.7	mg/g	17-May-21
Cannabigerol (CBG)	HPLC-UV	N/A	2.81	mg/g	17-May-21
Tetrahydrocannabivarin (THCV)	HPLC-UV	N/A	<0.025	mg/g	17-May-21
Cannabinol (CBN)	HPLC-UV	N/A	1.59	mg/g	17-May-21
Δ -8-Tetrahydrocannabinol (Δ -8-THC)	HPLC-UV	N/A	<0.025	mg/g	17-May-21
Cannabichromene (CBC)	HPLC-UV	N/A	5.27	mg/g	17-May-21



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Terpenes Scan by GC					
alpha-Pinene	GC-HS/MS	N/A	5.71	%	17-May-21
Camphene	GC-HS/MS	N/A	0.249	%	17-May-21
beta-Myrcene	GC-HS/MS	N/A	11.7	%	17-May-21
Sabinene	GC-HS/MS	N/A	<0.005	%	17-May-21
beta-Pinene	GC-HS/MS	N/A	2.52	%	17-May-21
alpha-Phellandrene	GC-HS/MS	N/A	<0.005	%	17-May-21
3-Carene	GC-HS/MS	N/A	<0.005	%	17-May-21
alpha-Terpinene	GC-HS/MS	N/A	<0.005	%	17-May-21
Limonene	GC-HS/MS	N/A	4.62	%	17-May-21
cis-beta-Ocimene	GC-HS/MS	N/A	1.35	%	17-May-21
Eucalyptol	GC-HS/MS	N/A	<0.005	%	17-May-21
gamma-Terpinene	GC-HS/MS	N/A	<0.005	%	17-May-21
Terpinolene	GC-HS/MS	N/A	0.171	%	17-May-21
Sabinene Hydrate	GC-HS/MS	N/A	<0.005	%	17-May-21
Linalool	GC-HS/MS	N/A	0.815	%	17-May-21
Fenchone (2 isomers)	GC-HS/MS	N/A	<0.005	%	17-May-21
Fenchol	GC-HS/MS	N/A	0.551	%	17-May-21
Isopulegol	GC-HS/MS	N/A	<0.005	%	17-May-21
Camphor (isomers)	GC-HS/MS	N/A	<0.005	%	17-May-21
Isoborneol	GC-HS/MS	N/A	<0.005	%	17-May-21
Hexahydrothymol (Menthol)	GC-HS/MS	N/A	<0.005	%	17-May-21
Borneol (2 isomers)	GC-HS/MS	N/A	0.535	%	17-May-21
alpha-Terpineol	GC-HS/MS	N/A	0.467	%	17-May-21
gamma-Terpineol	GC-HS/MS	N/A	<0.005	%	17-May-21
Nerol	GC-HS/MS	N/A	<0.005	%	17-May-21
Geraniol	GC-HS/MS	N/A	<0.005	%	17-May-21
Pulegone	GC-HS/MS	N/A	<0.005	%	17-May-21
Geranyl Acetate	GC-HS/MS	N/A	<0.005	%	17-May-21
alpha-Cedrene	GC-HS/MS	N/A	<0.005	%	17-May-21
trans-beta-Caryophyllene	GC-HS/MS	N/A	0.901	%	17-May-21
alpha-Humulene	GC-HS/MS	N/A	0.864	%	17-May-21
Valencene	GC-HS/MS	N/A	<0.005	%	17-May-21
cis-Nerolidol	GC-HS/MS	N/A	<0.005	%	17-May-21
trans-Nerolidol	GC-HS/MS	N/A	<0.005	%	17-May-21
Guaiol	GC-HS/MS	N/A	<0.005	%	17-May-21
Cedrol	GC-HS/MS	N/A	<0.005	%	17-May-21
alpha-Bisabolol	GC-HS/MS	N/A	0.764	%	17-May-21
Total	Calculation	N/A	31.2	%	17-May-21

Reviewed by:


Fei Gao, B.Sc., M.Eng.

Analyst

Approved by:


Michael Busse, B.Sc.

Laboratory Supervisor

Date: 20-May-21



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B.C. COA No.: VIT08474B-5 Rev. 0

B.C. SID: 5

Issue Date: 20-May-21

CLIENT INFORMATION

Client: [REDACTED]

Contact: [REDACTED]

PRODUCT INFORMATION

Product: Terpene Sauce

Lot No. 8B4VJ9

Analysis	Method	Specification	Result	Units	Date
Heavy Metals by ICP-MS					
Arsenic	USP <233>	NMT 0.2	<0.09	µg/g	17-May-21
Cadmium	USP <233>	NMT 0.2	<0.09	µg/g	17-May-21
Lead	USP <233>	NMT 0.5	<0.09	µg/g	17-May-21
Mercury	USP <233>	NMT 0.1	<0.09	µg/g	17-May-21

Microbial Limits

Total Aerobic Microbial Count	USP<2021>	NMT 100,000	<10	CFU/g	17-May-21
Total Combined Mold and Yeast Count	USP<2021>	NMT 1,000	<10	CFU/g	19-May-21
Enterobacterial Count	USP<2021>	NMT 1,000	<10	MPN/g	19-May-21
<i>Escherichia coli</i>	USP<2022>	Absent	Absent	per 10g	19-May-21
<i>Salmonella</i> spp.	USP<2022>	Absent	Absent	per 10g	19-May-21
<i>Staphylococcus aureus</i>	USP<2022>	Absent	Absent	per 10g	18-May-21
<i>Pseudomonas aeruginosa</i>	USP <62>	Absent	Absent	per 10g	18-May-21

Aflatoxins by LC-MS/MS

Aflatoxins (AFB ₁)	Mod. USP<561>	NMT 5	<5	ppb	20-May-21
Total Aflatoxins (sum of AFB ₁ , AFB ₂ , AFG ₁ & AFG ₂)	Mod. USP<561>	NMT 20	<20	ppb	20-May-21

Residual Solvents by HS/GC-MS, Modified from USP<467>

Date Analyzed: 18-May-21

Analyte	MRL µg/g	Result µg/g	Analyte	MRL µg/g	Result µg/g
Pentane	5000	<MRL	Propyl acetate	5000	<MRL
Methyl acetate	5000	<MRL	Isobutyl acetate	5000	<MRL
1-Propanol	5000	<MRL	Ethyl ether	5000	<MRL
Methyl ethyl ketone	5000	<MRL	Ethyl formate	5000	<MRL
Isopropyl acetate	5000	<MRL	Tert-butyl-methyl-ether	5000	<MRL
1-Butanol	5000	<MRL	2-Butanol	5000	<MRL
1-Pentanol	5000	<MRL	Heptane	5000	<MRL
Ethanol	5000	<MRL	3-Methyl-1-butanol	5000	<MRL
Acetone	5000	<MRL	Butyl acetate	5000	<MRL
2-Propanol	5000	<MRL	Dimethyl sulfoxide	5000	<MRL
Ethyl acetate	5000	<MRL	Anisole	5000	<MRL
2-Methyl-1-propanol	5000	<MRL	Acetic acid	5000	<MRL
Butane (sum of n- and iso-)	5000	<MRL	Formic acid	5000	<MRL
Propane	5000	<MRL	Triethylamine	5000	<MRL

MRL = Maximum Residue Limit



CLIENT INFORMATION

Client: [REDACTED]

Contact: [REDACTED]

PRODUCT INFORMATION

Product: Terpene Sauce

Lot No. 8B4VJ9

Health Canada Pesticide Analysis

Date Analyzed: 20-May-21

Analyte	Limits mg/kg	Result mg/kg	Analyte	Limits mg/kg	Result mg/kg
Abamectin	0.1	<MRL	Fluopyram	0.02	<MRL
Acephate	0.02	<MRL	Hexythiazox	0.01	<MRL
Acequinocyl	0.03	<MRL	Imazalil	0.05	<MRL
Acetamiprid	0.1	<MRL	Imidacloprid	0.02	<MRL
Aldicarb	1	<MRL	Iprodione	1	<MRL
Allethrin	0.2	<MRL	Kinoprene	0.5	<MRL
Azadirachtin	1	<MRL	Kresoxim-methyl	0.02	<MRL
Azoxystrobin	0.02	<MRL	Malathion	0.02	<MRL
Benzovindiflupyr	0.02	<MRL	Metalaxyl	0.02	<MRL
Bifenazate	0.02	<MRL	Methiocarb	0.02	<MRL
Bifenthrin	1	<MRL	Methomyl	0.05	<MRL
Boscalid	0.02	<MRL	Methoprene	2	<MRL
Buprofezin	0.02	<MRL	Mevinphos	0.05	<MRL
Carbaryl	0.05	<MRL	MGK-264	0.05	<MRL
Carbofuran	0.02	<MRL	Myclobutanil	0.02	<MRL
Chlorantraniliprole	0.02	<MRL	Naled	0.1	<MRL
Chlorphenapyr	0.05	<MRL	Novaluron	0.05	<MRL
Chlorpyrifos	0.04	<MRL	Oxamyl	3	<MRL
Clofentezine	0.02	<MRL	Pacllobutrazol	0.02	<MRL
Clothianidin	0.05	<MRL	Parathion-methyl	0.05	<MRL
Coumaphos	0.02	<MRL	Permethrin	0.5	<MRL
Cyantraniliprole	0.02	<MRL	Phenothrin	0.05	<MRL
Cyfluthrin	0.2	<MRL	Phosmet	0.02	<MRL
Cypermethrin	0.3	<MRL	Piperonyl butoxide	0.2	<MRL
Cyprodinil	0.25	<MRL	Pirimicarb	0.02	<MRL
Daminozide	0.1	<MRL	Prallethrin	0.05	<MRL
Deltamethrin	0.5	<MRL	Propiconazole	0.1	<MRL
Diazinon	0.02	<MRL	Propoxur	0.02	<MRL
Dichlorvos	0.1	<MRL	Pyraclostrobin	0.02	<MRL
Dimethoate	0.02	<MRL	Pyrethrins	0.05	<MRL
Dimethomorph	0.05	<MRL	Pyridaben	0.05	<MRL
Dinotefuran	0.1	<MRL	Quintozene	0.02	<MRL
Dodemorph	0.05	<MRL	Resmethrin	0.1	<MRL
Endosulfan sulfate	0.05	<MRL	Spinetoram	0.02	<MRL
Endosulfan-alpha	0.2	<MRL	Spinosad	0.1	<MRL
Endosulfan-beta	0.05	<MRL	Spirodiclofen	0.25	<MRL
Ethoprophos	0.02	<MRL	Spiromesifen	3	<MRL
Etofenprox	0.05	<MRL	Spirotetramat	0.02	<MRL
Etoxazole	0.02	<MRL	Spiroxamine	0.1	<MRL
Etridiazole	0.03	<MRL	Tebuconazole	0.05	<MRL
Fenoxycarb	0.02	<MRL	Tebufenozide	0.02	<MRL
Fenpyroximate	0.02	<MRL	Teflubenzuron	0.05	<MRL
Fensulfothion	0.02	<MRL	Tetrachlorvinphos	0.02	<MRL
Fenthion	0.02	<MRL	Tetramethrin	0.1	<MRL
Fenvalerate	0.1	<MRL	Thiacloprid	0.02	<MRL
Fipronil	0.06	<MRL	Thiamethoxam	0.02	<MRL
Fonicamid	0.05	<MRL	Thiophanate-methyl	0.05	<MRL
Fludioxonil	0.02	<MRL	Trifloxystrobin	0.02	<MRL

MRL = Maximum Residue Limit

Reviewed by: *Michael Busse*
Michael Busse, B.Sc.
Laboratory Supervisor

Approved by: *Michael Busse*
for J.H. Schulz, M.Sc., P.Chem.
Laboratory Manager

Date: 20-May-21