

CERTIFICATE OF ANALYSIS

SAMPLE INFORMATION

Client:	Retro Cannabis and Hemp Extracts	Vivariant Sample #:	VV-23-00344
Client Address:	25 Fourth street, Suite 200 Charlottetown, PE C1E2B4	Sample Matrix Type:	Extract Concentrate
		Sample Matrix Subtype:	Infused Pre roll
		Sample ID (Name):	70123001
		Lot/Batch #:	70123001
Date Sample Collected:	2023 May 03	Strain Name:	Potent Pete
Contact Name:	Ryan Lowther	Sample Receipt Date:	2023 May 05
Contact Email:	ryan@retrocannabis.ca		

Revision #:	0	Sample Comments:
Report Prepared On:	2023 May 16	NA

POTENCY

Date Tested:	2023 May 12
Method:	SOP-01-001-03
Units:	%W/W
Results:	Report values

Analyte	Result	Limit of Quantitation	Client Specifications
CBD	0.25	0.10	Report
CBDA	0.13	0.10	Report
Total Potential CBD	0.37	N.A	Report
d9THC	3.36	0.50	Report
THCA	59.06	0.10	Report
Total Potential THC	55.15	N.A	Report
CBDV	<LOQ	0.10	Report
CBDVA	<LOQ	0.10	Report
THCV	<LOQ	0.10	Report
CBG	0.13	0.10	Report
CBGA	0.89	0.10	Report
CBN	<LOQ	0.10	Report
d8THC	<LOQ	0.50	Report
CBC	<LOQ	0.10	Report

TERPENES	
Date Tested:	2023 May 11
Method:	SOP-01-008-01
Units:	% wt.
Results:	Report values

Analyte	Result	Limit of Quantitation	Client Specifications
cis-Nerolidol	0.015	0.004%	Report
Valencene	0.023	0.004%	Report
beta-Pinene	0.051	0.004%	Report
Caryophyllene oxide	0.071	0.004%	Report
Linalool	0.081	0.004%	Report
(R)-(+)-Limonene	0.100	0.004%	Report
alpha-Bisabolol	0.153	0.004%	Report
alpha-Humulene	0.261	0.004%	Report
Farnesene	0.513	0.004%	Report
alpha-Cedrene	0.833	0.004%	Report
Total terpenes	2.101	0.004%	Report
alpha-Pinene	<LOQ	0.004%	Report
Camphene	<LOQ	0.004%	Report
Sabinene	<LOQ	0.004%	Report
beta-Myrcene	<LOQ	0.004%	Report
p-Mentha-1,5-diene	<LOQ	0.004%	Report
(1S)-(+)-3-Carene	<LOQ	0.004%	Report
alpha-Terpinene	<LOQ	0.004%	Report
Eucalyptol	<LOQ	0.004%	Report
Ocimene	<LOQ	0.004%	Report
gamma-Terpinene	<LOQ	0.004%	Report
Sabinene hydrate	<LOQ	0.004%	Report
Terpinolene	<LOQ	0.004%	Report
Fenchone	<LOQ	0.004%	Report
(1R)-Endo-(+)-fenchyl alcohol	<LOQ	0.004%	Report
Camphor	<LOQ	0.004%	Report
Isopulegol	<LOQ	0.004%	Report
Isoborneol	<LOQ	0.004%	Report
Borneol	<LOQ	0.004%	Report
Hexahydrothymol	<LOQ	0.004%	Report
Terpineol	<LOQ	0.004%	Report
Nerol	<LOQ	0.004%	Report
Geraniol	<LOQ	0.004%	Report
Pulegone	<LOQ	0.004%	Report
Geranyl acetate	<LOQ	0.004%	Report
trans-Caryophyllene	<LOQ	0.004%	Report
trans-Nerolidol	<LOQ	0.004%	Report
Guaiol	<LOQ	0.004%	Report
Cedrol	<LOQ	0.004%	Report

PESTICIDES	
Date Tested:	2023-MAY-09
Method:	LAB-MTD-010
Equipment:	LC-MS/MS and GC-MS/MS
Units:	ppm
Results:	Met specifications

Analyte	Result	Limit of Quantitation (LOQ)	Client Specifications
Abamectin	<LOQ	0.25	0.25
Acephate	<LOQ	0.05	0.05
Acequinocyl	<LOQ	0.5	0.5
Acetamiprid	<LOQ	0.05	0.05
Aldicarb	<LOQ	0.5	0.5
Allethrin	<LOQ	0.1	0.1
Azadirachtin	<LOQ	0.5	0.5
Azoxystrobin	<LOQ	0.01	0.01
Benzovindifluoyr	<LOQ	0.01	0.01
Bifenazate	<LOQ	0.01	0.01
Bifenthrin	<LOQ	0.25	0.25
Boscalid	<LOQ	0.01	0.01
Buprofezin	<LOQ	0.25	0.25
Carbaryl	<LOQ	0.025	0.025
Carbofuran	<LOQ	0.01	0.01
Chlorantraniliprole	<LOQ	0.25	0.25
Chlorphenapyr	<LOQ	1.5	1.5
Chlorpyrifos	<LOQ	0.5	0.5
Clofentezine	<LOQ	0.01	0.01
Clothianidin	<LOQ	0.025	0.025
Coumaphos	<LOQ	0.01	0.01
Cyantranilipole	<LOQ	0.01	0.01
Cyfluthrin	<LOQ	1.25	1.25
Cypermethrin	<LOQ	0.5	0.5
Cyprodinil	<LOQ	0.01	0.01
Daminozide	<LOQ	0.25	0.25
Deltamethrin	<LOQ	0.25	0.25
Diazinon	<LOQ	0.25	0.25
Dichlorvos	<LOQ	0.05	0.05
Dimethoate	<LOQ	0.01	0.01
Dimethomorph	<LOQ	0.25	0.25
Dinotefuran	<LOQ	0.05	0.05
Dodemorph	<LOQ	0.25	0.25
Endosulfan-alpha	<LOQ	2.5	2.5
Endosulfan-beta	<LOQ	2.5	2.5
Endosulfan sulfate	<LOQ	2.5	2.5
Ethoprophos	<LOQ	0.01	0.01
Etofenprox	<LOQ	0.25	0.25

Etoxazole	<LOQ	0.25	0.25
Etridiazol	<LOQ	0.15	0.15
Fenoxycarb	<LOQ	0.01	0.01
Fenpyroximate	<LOQ	0.25	0.25
Fensulfothion	<LOQ	0.01	0.01
Fenthion	<LOQ	0.01	0.01
Fenvalerate	<LOQ	0.5	0.5
Fipronil	<LOQ	0.01	0.01
Flonicamid	<LOQ	0.025	0.025
Fludioxonil	<LOQ	0.01	0.01
Fluopyram	<LOQ	0.01	0.01
Hexythiazox	<LOQ	0.25	0.25
Imazalil	<LOQ	0.01	0.01
Imidacloprid	<LOQ	0.01	0.01
Iprodione	<LOQ	0.5	0.5
Kinoprene	<LOQ	1.25	1.25
Kresoxim-methyl	<LOQ	0.15	0.15
Malathion	<LOQ	0.01	0.01
Metalaxyl	<LOQ	0.01	0.01
Methiocarb	<LOQ	0.01	0.01
Methomyl	<LOQ	0.025	0.025
Methoprene	<LOQ	0.25	0.25
Methyl parathion	<LOQ	0.25	0.25
Mevinphos	<LOQ	0.025	0.025
MGK-264	<LOQ	0.25	0.25
Myclobutanil	<LOQ	0.01	0.01
Naled	<LOQ	0.25	0.25
Novaluron	<LOQ	0.025	0.025
Oxamyl	<LOQ	1.5	1.5
Paclobutrazol	<LOQ	0.01	0.01
Permethrin	<LOQ	0.5	0.5
Phenothrin	<LOQ	0.25	0.25
Phosmet	<LOQ	0.25	0.25
Piperonyl butoxide	<LOQ	1.25	1.25
Pirimicarb	<LOQ	0.01	0.01
Prallethrin	<LOQ	0.25	0.25
Propiconazole	<LOQ	0.25	0.25
Propoxur	<LOQ	0.01	0.01
Pyraclostrobin	<LOQ	0.01	0.01
Pyrethrins	<LOQ	0.25	0.25
Pyridaben	<LOQ	0.02	0.02
Quintozene	<LOQ	0.5	0.5
Resmethrin	<LOQ	0.05	0.05
Spinetoram	<LOQ	0.01	0.01
Spinosad	<LOQ	0.01	0.01

Spirodiclofen	<LOQ	0.25	3.25
Spiromesifen	<LOQ	0.25	3.25
Spirotetramat	<LOQ	3.01	3.01
Spiroxamine	<LOQ	3.25	3.25
Tebuconazole	<LOQ	3.01	3.01
Tebufenozide	<LOQ	3.01	3.01
Teflubenzuron	<LOQ	0.025	0.025
Tetrachlorvinphos	<LOQ	0.01	0.01
Tetramethrin	<LOQ	0.25	0.25
Thiacloprid	<LOQ	0.01	0.01
Thiamethoxam	<LOQ	0.01	0.01
Thiophanate-methyl	<LOQ	0.25	0.25
Trifloxystrobin	<LOQ	0.01	0.01

METALS	
Date Tested:	2023 May 08
Method:	SOP-01-007-02
Units:	ppm
Results:	Met specifications

Analyte	Result	Limit of Quantitation	Client Specifications
Arsenic	< LOQ	0.2	<1.5
Cadmium	< LOQ	0.2	<0.5
Lead	< LOQ	3.5	<0.5
Mercury (total)	< LOQ	3.1	<3.0

MYCOTOXINS	
Date Tested:	2023 May 09
Method:	SOP-01-006-00
Units:	ppb
Results:	Met specifications

Analyte	Result	Limit of Quantitation	Client Specifications
Aflatoxin B1	<LOQ	2 ppb	2 ppb
Aflatoxin B2	<LOQ	2 ppb	2 ppb
Aflatoxin G1	<LOQ	2 ppb	2 ppb
Aflatoxin G2	<LOQ	2 ppb	2 ppb
Sum of aflatoxins B1, B2, G1, G2	<LOQ	2 ppb	4 ppb

Foreign Matter	
Date Tested:	2023 May 12
Method:	EP 2.8.2
Units:	NA
Results:	Met specifications

Parameter	Result	Client Specifications
Foreign Matter	Absent	Absent

RESIDUAL SOLVENTS	
Date Tested:	2023-MAY-16
Method:	LAB-MTD-036/SOP-01-009-00
Units:	ppm
Results:	Met specifications

Analyte	Result	Limit of Quantitation (LOQ)	Client Specifications
1-Butanol	<LOQ	1000	NMT 5000
1-Pentanol	<LOQ	1000	NMT 5000
1-Propanol	<LOQ	1000	NMT 5000
2-Butanol	<LOQ	1000	NMT 5000
2-Methyl-1-propanol	<LOQ	1000	NMT 5000
2-Propanol	<LOQ	1000	NMT 5000
3-Methyl-1-butanol	<LOQ	1000	NMT 5000
Acetone	<LOQ	1000	NMT 5000
Anisole	<LOQ	1000	NMT 5000
Butane	<LOQ	500	NMT 5000
Butyl acetate	<LOQ	1000	NMT 5000
Dimethyl sulfoxide	<LOQ	1000	NMT 5000
Ethanol	<LOQ	1000	NMT 5000
Ethyl acetate	<LOQ	1000	NMT 5000
Ethyl Ether	<LOQ	1000	NMT 5000
Ethyl formate	<LOQ	1000	NMT 5000
Heptane	<LOQ	1000	NMT 5000
Isobutyl acetate	<LOQ	1000	NMT 5000
Isopropyl acetate	<LOQ	1000	NMT 5000
Methyl acetate	<LOQ	1000	NMT 5000
Methyl ethyl ketone	<LOQ	1000	NMT 5000

Pentane	<LOQ	100C	NMT 5000
Propane	<LOQ	500	NMT 5000
Propyl acetate	<LOQ	100C	NMT 5000
Tert-butylmethyl ether	<LOQ	100C	NMT 5000
Triethylamine	<LOQ	100C	NMT 5000

MICROBIAL ANALYSIS	
Date Tested:	2023 May 10
Compendia:	EP
Results:	Met specifications

Test	Result	Method	Client Specifications
Total Aerobic Microbial Count	< 10 CFU/g	EP (2.6.12)	< 50,000 CFU/g
Total Yeast and Mold Count	< 10 CFU/g	EP (2.6.12)	< 500 CFU/g
Enterobacterial Count	< 10 CFU/g	EP (2.6.31)	< 100 CFU/g
Detection of E.coli	Absent	EP (2.6.31)	Absent
Detection of Salmonella	Absent	EP (2.6.31)	Absent



Approved by: Anand Thota
 Date Approved:
5/18/2023

These results relate only to the items tested. This test report shall not be reproduced except in full, without written approval of the laboratory.

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