

CERTIFICATE OF ANALYSIS

Client information

Retro Cannabis and Hemp Extracts
25 Fourth Street Suite 200
Charlottetown, Canada, C1E 2B4

COA information

COA number **220614_22189_PAR6124**
COA Date **14-Jun-2022**
Analysis Request ID **PAR6124**

Sample information

Sample Name **BCP-Extract**
Sample ID **R00032-BB-S2**
Laboratory ID **PAT22857**
Method Ref. **5991-9285EN**

Sample Receiving Date **07-Jun-2022**
Receiving Temperature **22°C**
Analysis Date **14-Jun-2022**

Cannabinoids Profile

Compounds	Results (%w/w)	Results (mg/g)	LOQ(%)
CBC	1.261	12.610	0.010
CBD	<0.010	<0.100	0.010
CBDA	0.045	0.450	0.010
CBDV	<0.010	<0.100	0.010
CBG	1.579	15.790	0.010
CBGA	0.427	4.270	0.010
CBN	0.829	8.290	0.010
D8-THC	<0.010	<0.100	0.010
D9-THC	61.895	618.950	0.010
THCA-A	6.547	65.470	0.010
THCV	0.187	1.870	0.010
Total THC	67.637	676.367	
Total CBD	0.039	0.395	

67.637%
Total THC

0.039%
Total CBD

Total THC = THC + (THCA*0.877), Total CBD = CBD + (CBDA*0.877)

Total THC/CBD is calculated using the formulas to take into account the loss of carboxyl group during decarboxylation step.

Authorized by: Laboratory Manager

Signature:



Details of testing

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2. % w/w: percent (weight of analyte/ weight of product)
3. Results only apply to the items tested and to the sample(s) as received.
4. This report may not be distributed or reproduced except in full



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Client information

Retro Cannabis and Hemp Extracts

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Charlottetown, Canada, C1E 2B4

COA information

COA number **220614_22178_PAR6124**
COA Date **14-Jun-2022**
Analysis Request ID **PAR6124**

Sample information

Sample Name **BCP-Extract**
Sample ID **R00032-BB-S2**
Laboratory ID **PAT22857**
Method Ref. **AOAC 2007.01**

Sample Receiving Date **07-Jun-2022**
Receiving Temperature **22°C**
Analysis Date **13-Jun-2022**

Results Information

Aflatoxins	Results	Unit	Specification (Inhalable Extracts)	Compliance	LOQ
Aflatoxin B1	<0.002	ppm	< 0.002	PASS	0.002
Aflatoxin B2	<0.002	ppm	< 0.002	PASS	0.002
Aflatoxin G1	<0.002	ppm	< 0.002	PASS	0.002
Aflatoxin G2	<0.002	ppm	< 0.002	PASS	0.002
Total Aflatoxins (B1,B2,G1,G2)	<0.002	ppm	< 0.004	PASS	0.002

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Signature:



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Sample information

Sample Name	BCP-Extract	Sample Receiving Date	07-Jun-2022
Sample ID	R00032-BB-S2	Receiving Temperature	22°C
Laboratory ID	PAT22857	Analysis Date	10-Jun-2022
Method Ref.	PAT-SOP106, USP233		

Results Information

Heavy Metals	Results	Unit	Specification (Inhalable Extracts)	Compliance	LOQ
Arsenic	<0.025	ppm	< 1.5	PASS	0.025
Cadmium	<0.020	ppm	< 0.5	PASS	0.020
Lead	<0.010	ppm	< 0.5	PASS	0.010
Mercury	<0.005	ppm	< 3	PASS	0.005

Authorized by: Laboratory Manager

Signature:



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Sample information

Sample Name	BCP-Extract	Sample Receiving Date	07-Jun-2022
Sample ID	R00032-BB-S2	Receiving Temperature	22°C
Laboratory ID	PAT22857	Analysis Date	09-Jun-2022
Method Ref.	USP561		

Results Information

Foreign Material	Results	Unit	Specification (Foreign material)	Compliance	LOQ
Stalks	0	%	< 2	PASS	N/A
Spider Mite	0	%	< 2	PASS	N/A
Grey Mold and Bud Rot	0	%	< 2	PASS	N/A
Insect and Vermin	0	%	< 2	PASS	N/A
Other Extraneous substances	0	%	< 2	PASS	N/A

Authorized by: Laboratory Manager

Signature:



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Sample information

Sample Name	BCP-Extract	Sample Receiving Date	07-Jun-2022
Sample ID	R00032-BB-S2	Receiving Temperature	22°C
Laboratory ID	PAT22857	Analysis Date	14-Jun-2022
Method Ref.	5991-8499EN		

Terpenes Profile

Compounds	Results (%w/w)	Results (mg/g)	LOQ(%)
(-)-alpha-Bisabolol	0.600	6.000	0.001
(-)-Guaiol	0.005	0.050	0.001
(-)-Isopulegol	0.008	0.080	0.001
1,8-Cineole (Eucalyptol)	0.027	0.270	0.001
1R-endo-Fenchyl-Alcohol	0.175	1.750	0.001
alpha-Cedrene	0.025	0.250	0.001
alpha-Humulene	0.505	5.050	0.001
Alpha-Pinene	0.079	0.790	0.001
Alpha-Terpinene	0.001	0.010	0.001
alpha-Terpineol	0.251	2.510	0.001
beta-Caryophyllene	1.356	13.560	0.001
Beta-Myrcene	0.103	1.030	0.001
Beta-Pinene	0.072	0.720	0.001
Borneol	<0.001	<0.010	0.001
Camphene	0.010	0.100	0.001
Carvacrol	0.001	0.010	0.001
Cedrol	0.006	0.060	0.001
cis-beta-Ocimene	0.001	0.010	0.001
cis-Nerolidol	<0.001	<0.010	0.001
Citronellol	0.001	0.010	0.001
Delta-3-Carene	<0.001	<0.010	0.001
d-Limonene	0.571	5.710	0.001
Farnesol 1	0.033	0.330	0.001
Farnesol 2	0.094	0.940	0.001
gamma-Terpinene	0.005	0.050	0.001
Geraniol	0.002	0.020	0.001
Isoborneol	0.001	0.010	0.001
Linalool	0.396	3.960	0.001
Menthol	0.014	0.140	0.001
m-Isopropyltoluene	<0.001	<0.010	0.001
Nerol	0.002	0.020	0.001
o-Isopropyltoluene	<0.001	<0.010	0.001
Phytane	0.016	0.160	0.001
p-Isopropyltoluene (p-Cymene)	<0.001	<0.010	0.001
Sabinene	<0.001	<0.010	0.001
Sabinene hydrate	0.004	0.040	0.001
Squalene	0.035	0.350	0.001
Terpinen-4-ol	0.028	0.280	0.001
Terpinolene	0.018	0.180	0.001
Thymol	<0.001	<0.010	0.001
trans-beta-Farnesene	0.353	3.530	0.001
trans-beta-ocimene	0.053	0.530	0.001

Compounds	Results (%w/w)	Results (mg/g)	LOQ(%)
trans-Nerolidol	0.248	2.480	0.001
Valencene	0.299	2.990	0.001
Total Terpenes	5.398	53.980	

Authorized by: Laboratory Manager

Signature:



Details of testing

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Sample information

Sample Name	BCP-Extract	Sample Receiving Date	07-Jun-2022
Sample ID	R00032-BB-S2	Receiving Temperature	22°C
Laboratory ID	PAT22857	Analysis Date	14-Jun-2022
Method Ref.	USP 467 (Modified)		

Residual Solvents Results Information

Compound Detected	Results (ppm)	RDL	Specification (Inhalable Extract)	Compliance
No Compounds Detected				

Compounds Not Detected	Results (ppm)	RDL	Specification (Inhalable Extract)
1-Butanol	ND	50	< 5000
1-Pentanol	ND	50	< 5000
1-Propanol	ND	50	< 5000
2-Butanol (sec-butly alcohol)	ND	50	< 5000
2-Butanone (MEK)	ND	50	< 5000
2-Propanol (IPA)	ND	50	< 5000
3-Methyl-1-butanol (isoamyl alcohol)	ND	50	< 5000
Acetic acid	ND	5000	< 5000
Acetone	ND	50	< 5000
Anisole	ND	50	< 5000
Butane	ND	5000	< 5000
Butyl acetate	ND	50	< 5000
DMSO (Dimethyl sulfoxide)	ND	50	< 5000
Diethyl ether (ethyl ether)	ND	50	< 5000
Ethanol	ND	50	< 5000
Ethyl Formate	ND	50	< 5000
Ethyl acetate	ND	50	< 5000
Formic acid	ND	5000	< 5000
Isobutanol (2-methyl-1-propanol)	ND	50	< 5000
Isobutyl acetate	ND	50	< 5000
Isopropyl acetate	ND	50	< 5000
MIBK (4-Methyl-2-pentanone)	ND	50	< 5000
MTBE (methyl-tert-butyl ether)	ND	50	< 5000
Methyl Formate	ND	50	< 5000
Propane	ND	5000	< 5000
Propyl acetate	ND	50	< 5000
Triethylamine	ND	5000	< 5000
n-Heptane (C7)	ND	50	< 5000
n-Pentane (C5)	ND	50	< 5000

Authorized by: Laboratory Manager

Signature:



Details of testing

1. *ppm (w/w): parts per million by weight, MRL: Maximum residue limits, RDL: Reporting detection limits*
2. *The compounds are ND (not detected) at or above the RDL*
3. *Health Canada and/or United States MRL are taken from Health Canada & Global MRL Database (where applicable) on the date of COA preparation*
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Sample information

Sample Name	BCP-Extract	Sample Receiving Date	07-Jun-2022
Sample ID	R00032-BB-S2	Receiving Temperature	22°C
Laboratory ID	PAT22857	Analysis Date	10-Jun-2022
Method Ref.	AOAC 2007.01		

Pesticides- Cannabis Oil Results Information

Compound Detected	Results (ppm)	RDL	Specification (Inhalable Extract)	Compliance
No Compounds Detected				

Compounds Not Detected	Results (ppm)	RDL	Specification (Inhalable Extract)
Abamectin	ND	0.02	Negative
Acephate	ND	0.02	Negative
Acequinocyl	ND	0.02	Negative
Acetamiprid	ND	0.02	Negative
Aldicarb	ND	0.02	Negative
Allethrin	ND	0.02	Negative
Azadirachtin	ND	0.02	Negative
Azoxystrobin	ND	0.01	Negative
Benzovindiflupyr	ND	0.01	Negative
Bifenazate	ND	0.01	Negative
Bifenthrin	ND	0.02	Negative
Boscalid	ND	0.01	Negative
Buprofezin	ND	0.01	Negative
Carbaryl	ND	0.02	Negative
Carbofuran	ND	0.01	Negative
Chlorantraniliprole	ND	0.01	Negative
Chlorphenapyr	ND	0.05	Negative
Chlorpyrifos	ND	0.01	Negative
Clofentezine	ND	0.01	Negative
Clothianidin	ND	0.02	Negative
Coumaphos	ND	0.01	Negative
Cyantraniliprole	ND	0.01	Negative
Cyfluthrin	ND	0.1	Negative
Cypermethrin	ND	0.02	Negative
Cyprodinil	ND	0.01	Negative
Daminozide	ND	0.05	Negative
Deltamethrin	ND	0.02	Negative
Diazinon	ND	0.01	Negative
Dichlorvos	ND	0.02	Negative
Dimethoate	ND	0.01	Negative
Dimethomorph	ND	0.02	Negative
Dinotefuran	ND	0.02	Negative
Dodemorph	ND	0.02	Negative
Endosulfan sulfate	ND	0.02	Negative
Endosulfan-alpha	ND	0.1	Negative
Endosulfan-beta	ND	0.01	Negative
Ethoprophos	ND	0.01	Negative
Etofenprox	ND	0.01	Negative

Compounds Not Detected	Results (ppm)	RDL	Specification (Inhalable Extract)
Etoazole	ND	0.01	Negative
Etridiazole	ND	0.01	Negative
Fenoxycarb	ND	0.01	Negative
Fenpyroximate	ND	0.02	Negative
Fensulfothion	ND	0.01	Negative
Fenthion	ND	0.01	Negative
Fenvalerate	ND	0.05	Negative
Fipronil	ND	0.01	Negative
Flonicamid	ND	0.02	Negative
Fludioxonil	ND	0.01	Negative
Fluopyram	ND	0.01	Negative
Hexythiazox	ND	0.01	Negative
Imazalil	ND	0.01	Negative
Imidacloprid	ND	0.01	Negative
Iprodione	ND	0.5	Negative
Kinoprene	ND	0.05	Negative
Kresoxim-methyl	ND	0.01	Negative
MGK-264	ND	0.02	Negative
Malathion	ND	0.01	Negative
Metalaxyl	ND	0.01	Negative
Methiocarb	ND	0.01	Negative
Methomyl	ND	0.02	Negative
Methoprene	ND	0.5	Negative
Mevinphos	ND	0.02	Negative
Myclobutanil	ND	0.01	Negative
Naled	ND	0.02	Negative
Novaluron	ND	0.02	Negative
Oxamyl	ND	0.02	Negative
Paclobutrazol	ND	0.01	Negative
Parathion-methyl	ND	0.02	Negative
Permethrin	ND	0.1	Negative
Phenothrin	ND	0.02	Negative
Phosmet	ND	0.01	Negative
Piperonyl butoxide	ND	0.02	Negative
Pirimicarb	ND	0.01	Negative
Prallethrin	ND	0.02	Negative
Propiconazole	ND	0.01	Negative
Propoxur	ND	0.01	Negative
Pyraclostrobin	ND	0.01	Negative
Pyrethrins	ND	0.025	Negative
Pyridaben	ND	0.02	Negative
Quintozene	ND	0.01	Negative
Resmethrin	ND	0.02	Negative
Spinetoram	ND	0.01	Negative
Spinosad	ND	0.01	Negative
Spirodiclofen	ND	0.02	Negative
Spiromesifen	ND	0.02	Negative
Spirotetramat	ND	0.01	Negative
Spiroxamine	ND	0.01	Negative
Tebuconazole	ND	0.01	Negative
Tebufenozide	ND	0.01	Negative
Teflubenzuron	ND	0.02	Negative
Tetrachlorvinphos	ND	0.01	Negative

Compounds Not Detected	Results (ppm)	RDL	Specification (Inhalable Extract)
Tetramethrin	ND	0.02	Negative
Thiacloprid	ND	0.01	Negative
Thiamethoxam	ND	0.01	Negative
Thiophanate-methyl	ND	0.02	Negative
Trifloxystrobin	ND	0.01	Negative

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