

### CERTIFICATE OF ANALYSIS

SAMPLE INFORMATION			
<b>Client:</b>	Retro Cannabis and Hemp Extracts	<b>Vivariant Sample #:</b>	VV-22-00434
<b>Client Address:</b>	25 Fourth street, suite 200, Charlottetown, PE, C1E2B4	<b>Sample Matrix Type:</b>	extract Concentrate
		<b>Sample ID:</b>	R00036-S2
		<b>Lot/Batch #:</b>	R00036-BB
		<b>Date Sample Collected:</b>	2022 AUG 08
<b>Contact Name:</b>	Nick DesRoches	<b>Strain Name:</b>	GLTOZ
<b>Contact Email:</b>	<a href="mailto:nick@retroextracts.com">nick@retroextracts.com</a>	<b>Sample Receipt Date:</b>	2022 SEP 07

<b>Revision #:</b>	0	<b>Sample Comments:</b>
<b>Report Prepared On:</b>	2022-SEP-16	NA

POTENCY	
<b>Date Tested:</b>	2022 SEP 14
<b>Method:</b>	SOP-01-001-03
<b>Units:</b>	% W/W
<b>Results:</b>	Report values

Analyte	Result	Limit of Quantitation	Client Specifications
CBD	<LOQ	0.45	Report
CBDA	<LOQ	0.45	Report
<b>Total Potential CBD</b>	N.A	N.A	Report
d9THC	73.80	1.63	Report
THCA	2.90	0.45	Report
<b>Total Potential THC</b>	76.34	N.A	Report
CBDV	<LOQ	0.45	Report
CBDVA	<LOQ	0.45	Report
THCV	<LOQ	0.45	Report
CBG	1.50	0.45	Report
CBGA	<LOQ	0.45	Report
CBN	1.40	0.45	Report
d8THC	<LOQ	1.00	Report
CBC	1.70	0.45	Report

TERPENES	
Date Tested:	2022 Sep. 14
Method:	SOP-01-008-01
Units:	% wt.
Results:	Report values

Analyte	Result	Limit of Quantitation	Client Specifications
trans-Caryophyllene	5.180	0.02 % wt.	Report
Farnesene	4.120	0.02 % wt.	Report
alpha-Humulene	1.640	0.01 % wt.	Report
(R)-(+)-Limonene	0.700	0.004 % wt.	Report
alpha-Bisabolol	0.650	0.004 % wt.	Report
beta-Myrcene	0.580	0.004 % wt.	Report
Linalool	0.580	0.004 % wt.	Report
Valencene	0.520	0.004 % wt.	Report
Terpineol	0.400	0.004 % wt.	Report
cis-Nerolidol	0.260	0.004 % wt.	Report
(1R)-Endo-(+)-fenchyl alcohol	0.230	0.004 % wt.	Report
alpha-Pinene	0.200	0.004 % wt.	Report
beta-Pinene	0.160	0.004 % wt.	Report
trans-Nerolidol	0.160	0.004 % wt.	Report
Caryophyllene oxide	0.120	0.004 % wt.	Report
Cedrol	0.110	0.004 % wt.	Report
alpha-Cedrene	0.070	0.004 % wt.	Report
Camphene	0.04	0.004 % wt.	Report
Eucalyptol	0.030	0.004 % wt.	Report
Fenchone	0.030	0.004 % wt.	Report
Borneol	0.030	0.004 % wt.	Report
Terpinolene	0.020	0.004 % wt.	Report
Geranyl acetate	0.010	0.004 % wt.	Report
<b>Total terpenes</b>	15.840	NA	Report
Sabinene	< LOQ	0.004 % wt.	Report
p-Mentha-1,5-diene	< LOQ	0.004 % wt.	Report
(1S)-(+)-3-Carene	< LOQ	0.004 % wt.	Report
alpha-Terpinene	< LOQ	0.004 % wt.	Report
Ocimene	< LOQ	0.004 % wt.	Report
gamma-Terpinene	< LOQ	0.004 % wt.	Report
Sabinene hydrate	< LOQ	0.004 % wt.	Report
Camphor	< LOQ	0.004 % wt.	Report
Isopulegol	< LOQ	0.004 % wt.	Report
Isoborneol	< LOQ	0.004 % wt.	Report
Hexahydrothymol	< LOQ	0.004 % wt.	Report

Nerol	< LOQ	0.004 % wt.	Report
Geraniol	< LOQ	0.004 % wt.	Report
Pulegone	< LOQ	0.004 % wt.	Report
Guaiol	< LOQ	0.004 % wt.	Report

PESTICIDES	
Date Tested:	2022-SEPT-10
Method:	LAB-MTD-040
Equipment:	LC-MS/MS and GC-MS/MS
Units:	ppm
Results:	Met specifications

Analyte	Result	Limit of Quantitation	Client Specifications
Abamectin	< LOQ	0.25	< 0.25
Acephate	< LOQ	0.05	< 0.05
Acetamiprid	< LOQ	0.5	< 0.5
Acequinocyl	< 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
Benzovindiflupyr	< LOQ	0.01	< 0.01
Bifenazate	< LOQ	0.01	< 0.01
Bifenthrin	< LOQ	0.1	< 0.1
Boscalid	< LOQ	0.01	< 0.01
Buprofezin	< LOQ	0.1	< 0.1
Carbaryl	< LOQ	0.025	< 0.025
Carbofuran	< LOQ	0.01	< 0.01
Chlorantraniliprole	< LOQ	0.1	< 0.1
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	0.5	< 0.5
Cypermethrin	< LOQ	0.3	< 0.3
Cyprodinil	< LOQ	0.01	< 0.01
Daminozide	< LOQ	0.3	< 0.3
Deltamethrin	< LOQ	0.1	< 0.1
Diazinon	< LOQ	0.1	< 0.1
Dichlorvos	< LOQ	0.05	< 0.05

Dimethoate	< LOQ	0.01	< 0.01
Dimethomorph	< LOQ	0.1	< 0.1
Dinotefuran	< LOQ	0.05	< 0.05
Dodemorph	< LOQ	0.1	< 0.1
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	0.1	< 0.1
Etoxazole	< LOQ	0.1	< 0.1
Etridiazol	< LOQ	0.15	< 0.15
Fenoxycarb	< LOQ	0.01	< 0.01
Fenpyroximate	< LOQ	0.1	< 0.1
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	0.1	< 0.1
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	0.5	< 0.5
Methyl parathion	< LOQ	0.5	< 0.5
Mevinphos	< LOQ	0.025	< 0.025
MGK-264	< LOQ	0.5	< 0.5
Myclobutanil	< LOQ	0.01	< 0.01
Naled	< LOQ	0.1	< 0.1
Novaluron	< LOQ	0.025	< 0.025
Oxamyl	< LOQ	1.5	< 1.5
Paclobutrazol	< LOQ	0.01	< 0.01
Permethrin	< LOQ	0.3	< 0.3
Phenothrin	< LOQ	0.3	< 0.3

Phosmet	< LOQ	0.3	< 0.3
Piperonyl butoxide	< LOQ	1.25	< 1.25
Pirimicarb	< LOQ	0.01	< 0.01
Prallethrin	< LOQ	0.6	< 0.6
Propiconazole	< LOQ	0.1	< 0.1
Propoxur	< LOQ	0.01	< 0.01
Pyraclostrobin	< LOQ	0.01	< 0.01
Pyrethrins	< LOQ	0.1	< 0.1
Pyridaben	< LOQ	0.02	< 0.02
Quintozene	< LOQ	0.1	< 0.1
Resmethrin	< LOQ	0.05	< 0.05
Spinetoram	< LOQ	0.01	< 0.01
Spinosad	< LOQ	0.01	< 0.01
Spirodiclofen	< LOQ	0.3	< 0.3
Spiromesifen	< LOQ	0.1	< 0.1
Spirotetramat	< LOQ	0.01	< 0.01
Spiroxamine	< LOQ	0.1	< 0.1
Tebuconazole	< LOQ	0.01	< 0.01
Tebufenozide	< LOQ	0.01	< 0.01
Teflubenzuron	< LOQ	0.025	< 0.025
Tetrachlorvinphos	< LOQ	0.01	< 0.01
Tetramethrin	< LOQ	0.02	< 0.02
Thiacloprid	< LOQ	0.01	< 0.01
Thiamethoxam	< LOQ	0.01	< 0.01
Thiophanate-methyl	< LOQ	0.01	< 0.01
Trifloxystrobin	< LOQ	0.01	< 0.01

METALS	
Date Tested:	2022 SEP 09
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	0.5	< 0.5
Mercury (total)	<LOQ	0.1	< 3

**MYCOTOXINS**

Date Tested:	2022 Sep. 08
Method:	SOP-01-006-00
Units:	ppb
Results:	Met specifications

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

**Foreign Matter**

Date Tested:	2022 Sep 12
Method:	EP 2.8.2
Units:	NA
Results:	Report values

Parameter	Result	Client Specifications
Foreign Matter	Absent	Report

**RESIDUAL SOLVENTS**

Date Tested:	2022 Sep 15,
Method:	SOP-01-009-00
Units:	ppm
Results:	Met specifications

Analyte	Result	Limit of Quantitation	Client Specifications
Ethanol	1894	25	< 5,000

MICROBIAL ANALYSIS	
Date Tested:	2022 Sep 08
Compendia:	EP 2.6.12 and 2.6.31
Results:	Met specifications

Test	Result	Method	Client Specifications
Total Aerobic Microbial Count	5 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
Bile Tolerant Gram-Negative Bacteria	<10 CFU/g	EP 2.6.31	100 CFU/g
Detection of <i>Escherichia Coli</i>	No Growth	EP 2.6.31	Absent in 1g
Detection of <i>Salmonella</i> ssp.	No Growth	EP 2.6.31	Absent in 25g



Approved by: Anand Thota  
 Date Approved:  
**9/16/2022**

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

\* End of report \*