



Form#: F009	Revision No: 0	Effective Date: 2022-Dec-12
Form Name: Testing Specifications for MBR		
Product Name: Ghost Train Haze Honey Oil and Vape Oil		Product Classification: Cannabis Extract
Associated Master Batch Record: MBR022		

Testing Specifications for Chemical and Microbial Contaminants

Batch Number:

Date:

Completed by:

Signature:

Contaminant	Release Criteria	Schedule B publication (chapter/monograph)
Cadmium	0.5 µg/g	USP 232 Table 3 (oral limits)
Mercury	3 µg/g	USP 232 Table 3 (oral limits)
Arsenic	1.5 µg/g	USP 232 Table 3 (oral limits)
Lead	0.5 µg/g	USP 232 Table 3 (oral limits)
Salmonella spp.	Absent in 25g	Ph.Eur. 5.1.8 Category B (extracts using EP 2.6.31)
Bile-tolerant gram negative bacteria	100 CFU/g	Ph.Eur. 5.1.8 Category B (extracts using EP 2.6.31)
Total Combined Yeast and Molds Count	500 CFU/g	Ph.Eur. 5.1.8 Category B (extracts using EP 2.6.12)
E. Coli	Absent in 1g	Ph.Eur. 5.1.8 Category B (extracts using EP 2.6.31)
Total Aerobic Microbial Count	50,000 CFU/g	Ph.Eur. 5.1.8 Category B (extracts using EP 2.6.12)
Aflatoxin B1	2 µg/kg	EP 2.8.18
Aflatoxin B2	2 µg/kg	EP 2.8.18
Aflatoxin G1	2 µg/kg	EP 2.8.18
Aflatoxin G2	2 µg/kg	EP 2.8.18
Total Aflatoxins	4 µg/kg	EP 2.8.18
Anisole (Aniso)	5000 µg/g	Limits for Residual Solvents in Cannabis Products (Limits Previously Set by Health Canada)
2-Butanol (Butan)	5000 µg/g	
Butane (But)	5000 µg/g	
Dimethyl Sulfoxide (DimSu)	5000 µg/g	
Ethyl Acetate (EthAc)	5000 µg/g	
Ethyl Formate (EthFo)	5000 µg/g	
Heptane (Hepta)	5000 µg/g	
Isopropyl Acetate (IsoAc)	5000 µg/g	
3-Methyl-1-Butanol (3-Buta)	5000 µg/g	
2-Methyl-1-Propanol (2- Prop)	5000 µg/g	



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1-Pentanol (Penta)	5000 µg/g	
2-Propanol (Propa)	5000 µg/g	
Propyl Acetate (ProAc)	5000 µg/g	
1-Butanol (Butan)	5000 µg/g	
Butyl Acetate ()	5000 µg/g	
Tert-Butylmethyl Ether (Ter-Bu)	5000 µg/g	
Ethanol (Ethan)	5000 µg/g	
Ethyl Ether (EthEt)	5000 µg/g	
Formic Acid (ForAc)	5000 µg/g	
Isobutyl Acetate (IsoAc)	5000 µg/g	
Methyl Acetate (MetAc)	5000 µg/g	
Methylethyl ketone (MetKe)	5000 µg/g	
Pentane (Penta)	5000 µg/g	
1-Propanol (Propa)	5000 µg/g	
Propane (Prop)	5000 µg/g	
Triethylamine (Triet)	5000 µg/g	

CERTIFICATE OF ANALYSIS

SAMPLE INFORMATION			
Client:	Retro Cannabis & Hemp Extracts	Vivariant Sample #:	VV-23-00072
Client Address:	25 Fourth street, Suite 200 Charlottetown, PE C1E2B4	Sample Matrix Type:	Extract Concentrate
		Sample Matrix Subtype:	NA
		Sample ID (Name):	R00072-CAR007
		Lot/Batch #:	R00072-BB
Date Sample Collected:	2023 Feb 03	Strain Name:	GTH-CAR
Contact Name:	Andrew Costa	Sample Receipt Date:	2023 Feb 08
Contact Email:	andrew@retrocannabis.ca		

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

POTENCY	
Date Tested:	2023 Feb 10
Method:	SOP-01-001-03
Units:	%W/W
Results:	Report values

Analyte	Result	Limit of Quantitation	Client Specifications
CBD	0.67	0.45	Report
CBDA	<LOQ	0.45	Report
Total Potential CBD	0.67	N. A	Report
d9THC	66.94	1.63	Report
THCA	6.04	0.45	Report
Total Potential THC	72.23	N. A	Report

TERPENES	
Date Tested:	2023 Feb 14
Method:	SOP-01-008-01
Units:	% wt.
Results:	Report values

Analyte	Result	Limit of Quantitation	Client Specifications
Fenchone	0.008	0.004%	Report
gamma-Terpinene	0.011	0.004%	Report
alpha-Pinene	0.036	0.004%	Report

beta-Myrcene	0.038	0.004%	Report
Caryophyllene oxide	0.043	0.004%	Report
Cedrol	0.049	0.004%	Report
Hexahydrothymol	0.050	0.004%	Report
(1R)-Endo-(+)-fenchyl alcohol	0.059	0.004%	Report
alpha-Bisabolol	0.067	0.004%	Report
(R)-(+)-Limonene	0.089	0.004%	Report
cis-Nerolidol	0.096	0.004%	Report
Terpineol	0.220	0.004%	Report
Valencene	0.252	0.004%	Report
Terpinolene	0.390	0.004%	Report
alpha-Humulene	0.581	0.004%	Report
Farnesene	0.742	0.004%	Report
alpha-Cedrene	2.095	0.004%	Report
Total terpenes	4.827	NA	Report
Camphene	<LOQ	0.004%	Report
Sabinene	<LOQ	0.004%	Report
beta-Pinene	<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
Sabinene hydrate	<LOQ	0.004%	Report
Linalool	<LOQ	0.004%	Report
Camphor	<LOQ	0.004%	Report
Isopulegol	<LOQ	0.004%	Report
Isoborneol	<LOQ	0.004%	Report
Borneol	<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

METALS	
Date Tested:	2023 Feb 14
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	3.0

MYCOTOXINS	
Date Tested:	2023 Feb 13
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 Feb 13
Method:	EP 2.8.2
Units:	NA
Results:	Report values

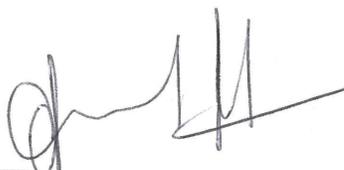
Parameter	Result	Client Specifications
Foreign Matter	Absent	Report

RESIDUAL SOLVENTS	
Date Tested:	2023 Feb 15
Method:	SOP-01-009-00
Units:	ppm
Results:	Met specifications

Analyte	Result	Limit of Quantitation	Client Specifications
Ethanol	3486	25	NMT 5000

MICROBIAL ANALYSIS	
Date Tested:	2023 Feb 08
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
Bile Tolerant Gram Negative Bacteria	< 10 CFU/g	EP 2.6.31	100 cfu/g
Detection of Escherichia coli	No growth	EP 2.6.31	Absent in 1 g
Detection of Salmonella Spp.	No growth	EP 2.6.31	Absent in 25 g



Approved by: Anand Thota
 Date Approved:
2/16/2023

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

* End of report *