

Certificate of Analysis

Company: Theory Wellness of VT
 768 Putney Rd
 Brattleboro, VT 05301

Sample ID: Vape Oil- Distillate- Biscotti

Lot: 0054-DISBISC1

Report Date: 10/11/2023

Matrix: Distillate

Date Analyzed: 10/9/2023

Customer ID: 230609-0

Date Sampled: N/A

Analyst: 011

Grower License #: MANU0054

Date Received: 10/2/2023

Report ID: C231002BA

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	<LOQ	<LOQ
CBDA	0.0008	<LOQ	<LOQ
CBGA	0.0008	1.73	0.17
CBG	0.0019	33.27	3.33
CBD	0.0019	1.78	0.18
THCV	0.0021	5.53	0.55
CBN	0.0013	6.93	0.69
Δ9-THC	0.0020	716.76	71.68
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	10.09	1.01
CBC	0.0024	15.90	1.59
Total THC		725.61	72.56
Total CBD		1.78	0.18
Total Cannabinoids		791.99	79.20

72.56%
Total THC

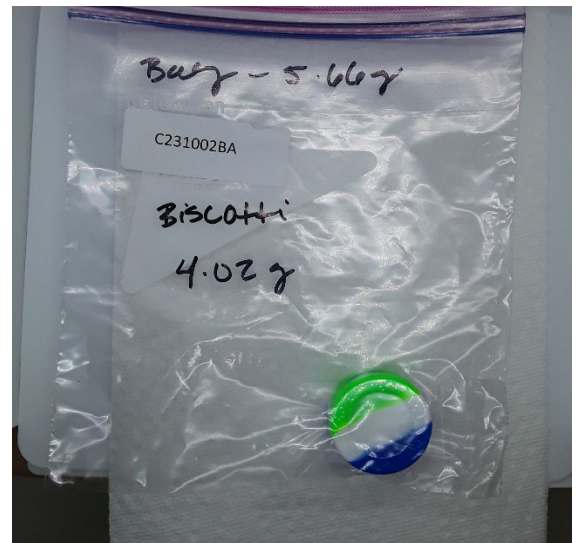
0.18%
Total CBD

79.2%
Total Cannabinoids

71.68%
Δ9-THC

N/A
Percent Moisture

1 : 0
THC : CBD Ratio



Cannabinoids Methodology: High Performance Liquid Chromatography (HPLC) using PerkinElmer FLEXAR™ with Photo Diode Array Detector (PDA)

Total CBD and total THC are calculated values, to account for assumed decarboxylation from the acid form (THCA or CBDA) to the neutral form, causing weight loss of the acid group. These values are calculated as follows:
 Total THC = (THCA x 0.877) + Δ9-THC Total CBD = (CBDA x 0.877) + CBD
 Ratio of Total CBD: Total THC Reagent Blanks: < LOQs for all analytes

LOQ = The lowest quantity that this method can reliably detect. Any cannabinoid that was not detected is assumed to be less than the stated LOQ (<LOQ).

All results reflect dry weight of material, based on % moisture of the sample.

Measurement of Uncertainty (MU): the parameter, associated with the result of a measurement, that characterizes the dispersion of the values that could reasonably be attributed to the particular quantity subject to measurement.
 Δ9-THC MU = ±0.005% Total THC MU = ±0.007%

All other cannabinoid MU values are available upon request.

All moisture analysis is determined by loss-on-drying measurement using OHAUS Model MB90 Moisture Content Readers.

This report shall not be reproduced except in full without approval of the laboratory. This is to provide assurance that parts of a report are not taken out of context. Results apply to the samples as received.

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 Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

Certificate of Analysis

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 768 Putney Rd
 Brattleboro, VT 05301

Sample ID: Vape Oil- Distillate- Biscotti
Lot: 0054-DISBISC1
Matrix: Distillate

Report Date: 10/12/2023
Date Analyzed: 10/6/2023
Analyst: 048
Report ID: C231002BA

Customer ID: 230609-0
Grower License #: MANU0054

Date Sampled: N/A
Date Received: 10/2/2023

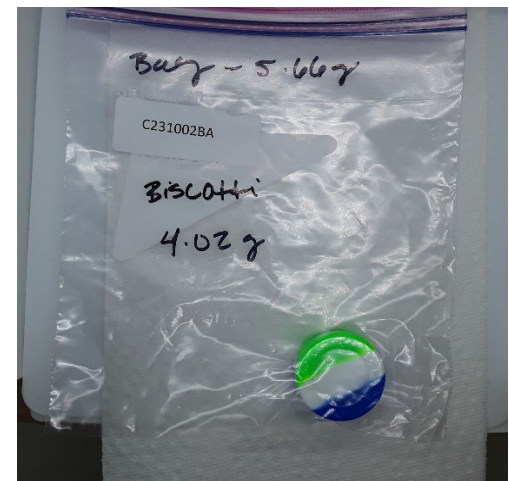
Terpenes Summary

Terpene	LOQ (mg/g)	Results (mg/g)	Weight (%)
α - Pinene	0.010	4.031	0.403
Camphene	0.010	0.514	0.051
β -Myrcene	0.010	5.972	0.597
b-Pinene	0.010	4.858	0.486
3-Carene	0.010	0.024	0.002
α -Terpinene	0.010	<LOQ	<LOQ
Limonene	0.010	3.991	0.399
p-Cymene	0.010	<LOQ	<LOQ
Ocimene	0.010	<LOQ	<LOQ
Eucalyptol	0.010	0.696	0.070
γ -Terpinene	0.010	0.156	0.016
Terpinolene	0.010	0.543	0.054
Linalool	0.010	4.257	0.426
Isopulegol	0.010	<LOQ	<LOQ
Geraniol	0.010	0.076	0.008
Caryophyllene	0.010	4.762	0.476
α -Humulene	0.010	2.311	0.231
Trans-Nerolidol	0.010	<LOQ	<LOQ
Cis-Nerolidol	0.010	<LOQ	<LOQ
Guaiol	0.010	0.017	0.002
Caryophyllene Oxide	0.010	0.047	0.005
α -Bisabolol	0.010	0.024	0.002
Total Terpenes		32.279	3.228

N/A
Percent Moisture

LOQ = The lowest quantity this method can reliably detect. Any terpene that was not detected is assumed to be less than the stated LOQ (<LOQ).

Terpene Methodology: Headspace Sampler, Gas Chromatography-Mass Spectrometry (GC-MS), using Perkin Elmer Clarus® SQ8 GC MS



Reagent Blanks: < LOQs for all analytes

All results reflect dry weight of material, based on % moisture of the sample.

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Sample ID: Vape Oil- Distillate- Biscotti

Lot: 0054-DISBISC1

Report Date: 10/12/2023

Date Analyzed: 10/12/2023

Customer ID: 230609-0

Matrix: Distillate

Analyst: 049

Grower License #: MANU0054

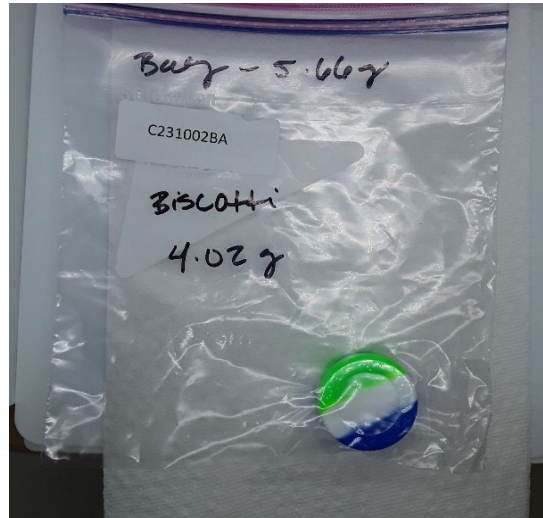
Date Sampled: N/A

Date Received: 10/2/2023

Report ID: C231002BA

Pathogen Summary

Target Pathogens	Method	LOD (cfu/g)	Result (cfu/g)
Aspergillus - flavus, fumigatus, niger, terreus	Aspergillus AOAC PTM No. 032104	5	<LOD
STEC	STEC Virx AOAC PTM No. 121203	5	<LOD
Salmonella spp.	Salmonella II AOAC PTM No. 010803	5	<LOD



Test Methodology: Bio-Rad IQ-Check PCR Kits

cfu/g = colony forming units per gram

LOD = The lowest quantity that this method can reliably detect. Any microbial growth that was not detected is assumed to be less than the stated LOD (<LOD).

Reagent Blanks: <LOD for all analytes

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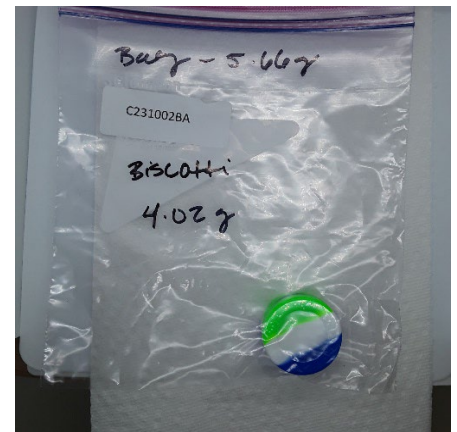
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Certificate of Analysis

Company: Theory Wellness of VT 768 Putney Rd Brattleboro, VT 05301 Customer ID: 230609-0 Grower License #: MANU0054	Sample ID: Vape Oil- Distillate- Biscotti Lot: 0054-DISBISC1 Matrix: Distillate Date Sampled: N/A Date Received: 10/2/2023	Report Date: 10/11/2023 Date Analyzed: 10/11/2023 Analyst: 048 Report ID: C231002BA
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Heavy Metal Summary

Heavy Metal Profile	LOQ (ppm)	Concentration (ppm)
Arsenic (As)	0.0001	0.0010
Cadmium (Cd)	0.0001	<LOQ
Mercury (Hg)	0.0001	<LOQ
Lead (Pb)	0.0001	0.0010



N/A
Percent Moisture

Heavy Metal Methodology: ICP-MS using PerkinElmer NexION® 2000 ICP Mass Spectrometer

Reagent Blanks: < LOQs for all analytes

ppm = parts per million

LOQ = The lowest quantity that this method can reliably detect. Any heavy metal that was not detected is assumed to be less than the stated LOQ (<LOQ).

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Sample ID: Vape Oil- Distillate- Biscotti

Lot: 0054-DISBISC1

Report Date: 10/11/2023

Matrix: Distillate

Date Analyzed: 10/5/2023

Customer ID: 230609-0

Date Sampled: N/A

Analyst: 048

Grower License #: MANU0054

Date Received: 10/2/2023

Report ID: C231002BA

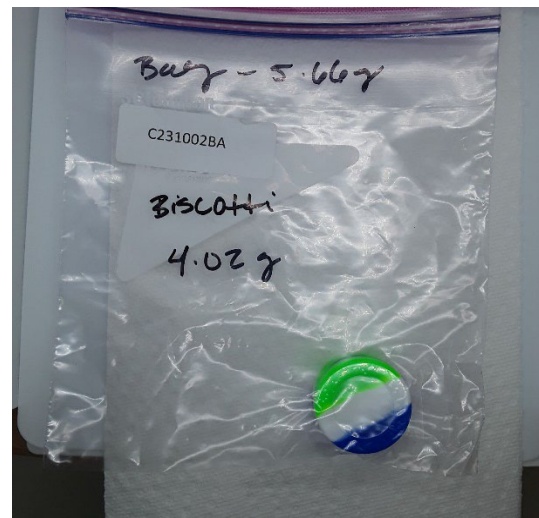
Residual Solvents Summary

Residual Solvent	LOQ (µg/g)	Results (µg/g)
Benzene	0.20	<LOQ
Chloroform	6.00	<LOQ
Methylene Chloride	60.00	<LOQ
Trichloroethylene	500.00	<LOQ
Acetone	500.00	<LOQ
Acetonitrile	40.00	<LOQ
Propane	500.00	<LOQ
Butane	500.00	<LOQ
Ethanol	500.00	<LOQ
Ethyl acetate	500.00	<LOQ
Ethyl Ether	500.00	<LOQ
Heptane	500.00	<LOQ
Hexane	30.00	<LOQ
Isopropyl Alcohol	500.00	<LOQ
Methanol	300.00	<LOQ
Pentane	500.00	<LOQ
Toluene	90.00	<LOQ
Total Xylenes	200.00	<LOQ

LOQ = The lowest quantity that this method can reliably detect. Any residual solvent that was not detected is assumed to be less than the stated LOQ (<LOQ).

Residual Solvent Methodology: Headspace Sampler, Gas Chromatography-Mass Spectrometry (GC-MS), using Perkin Elmer Clarus® SQ8 GC MS

Reagent Blanks: < LOQs for all analytes



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Lot: 0054-DISBISC1
Matrix: Distillate

Report Date: 10/12/2023
Date Analyzed: 10/11/2023

Customer ID: 230609-0

Date Sampled: N/A

Analyst: 045

Grower License #: MANU0054

Date Received: 10/2/2023

Report ID: C231002BA

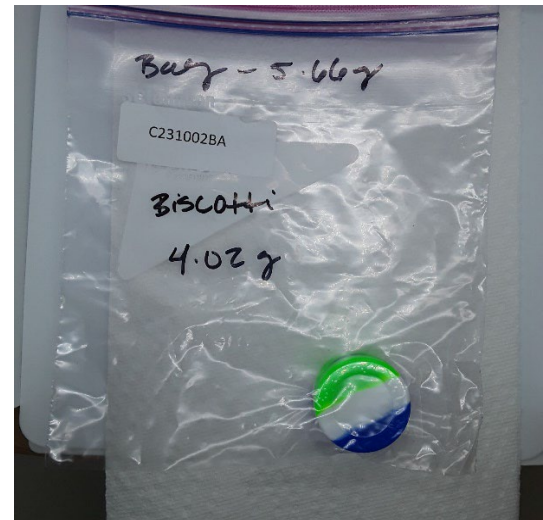
Pesticides/Mycotoxins Summary

Category II Residual Pesticide	LOQ (ppm)	Concentration (ppm)
Abamectin	0.0100	<LOQ
Acephate	0.0010	<LOQ
Acequinocyl	0.0010	<LOQ
Azoxystrobin	0.0010	<LOQ
Bifenazate	0.0010	<LOQ
Bifenthrin	0.0010	<LOQ
Carbaryl	0.0010	<LOQ
Cypermethrin	0.0100	<LOQ
Etoxazole	0.0010	<LOQ
Imidacloprid	0.0010	<LOQ
Myclobutanil	0.0010	<LOQ
Pyrethrin I	0.0010	<LOQ
Pyrethrin II	0.0010	<LOQ
Spinosyn A	0.0010	<LOQ
Spinosyn D	0.0010	<LOQ

Category II Mycotoxin	LOQ (ppm)	Concentration (ppm)
Ochratoxin A	0.0020	NOT TESTED
Aflatoxin B1	0.0002	NOT TESTED
Alfatoxin B2	0.0010	NOT TESTED
Alfatoxin G1	0.0002	NOT TESTED
Alfatoxin G2	0.0010	NOT TESTED

Category I Residual Pesticide	LOQ (ppm)	Concentration (ppm)
Chlorpyrifos	0.0010	<LOQ
Imazalil	0.0010	<LOQ

N/A
Percent Moisture



LOQ = The lowest quantity this method can reliably detect. Any pesticide or mycotoxins that was not detected is assumed to be less than the stated LOQ (<LOQ).

All results reflect dry weight of material, based on % moisture of the sample.

ppb = parts per billion

Pesticides/Mycotoxin Methodology: Liquid Chromatography with Tandem Mass Spectrometry using PerkinElme QSight® LX50 UHPLC and QSight 220 Mass Spectrometer

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