



Company: Theory Wellness of VT

Sample ID: Vape Oil- Distillate- Tahoe OG

768 Putney Rd

Lot: 0054-DISTAHO1

**Report Date:** 10/11/2023

Brattleboro, VT 05301

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: C231002BE

### **Cannabinoid Summary**

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBDV	0.0012	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBDA	0.0008	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBGA	0.0008	1.66	0.17
CBG	0.0019	32.97	3.30
CBD	0.0019	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
THCV	0.0021	4.70	0.47
CBN	0.0013	6.38	0.64
Δ9-ΤΗС	0.0020	730.68	73.07
Δ8-ΤΗС	0.0019	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
THC-A	0.0034	10.11	1.01
СВС	0.0024	16.08	1.61
Total THC		739.54	73.95
Total CBD		<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
Total Cannabinoids		802.58	80.26

<LOQ

**Total THC** 

73.95%

**Total CBD** 

80.26%

Total

**Cannabinoids** 

73.07%

Δ9-ΤΗС

N/A

Percent Moisture N/A

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
Ratio of Total CBD: Total THC

Total CBD = (CBDA x 0.877) + CBD 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.  $\Delta 9\text{-THC MU} = \pm 0.005\%$  Total THC MU =  $\pm 0.007\%$ 

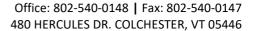
All other cannabinoid MU values are available upon request.

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

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Luke K:M





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768 Putney Rd

Brattleboro, VT 05301

Customer ID: 230609-0
Grower License #: MANU0054

Sample ID: Vape Oil- Distillate- Tahoe OG

Lot: 0054-DISTAHO1 Report Date: 10/12/2023
Matrix: Distillate Date Analyzed: 10/6/2023

Date Sampled: N/A Analyst: 048

Date Received: 10/2/2023 Report ID: C231002BE

#### **Terpenes Summary**

Terpene	LOQ (mg/g)	Results (mg/g)	Weight (%)
α- Pinene	0.010	6.233	0.623
Camphene	0.010	0.664	0.066
β-Myrcene	0.010	2.482	0.248
b-Pinene	0.010	5.433	0.543
3-Carene	0.010	0.067	0.007
α-Terpinene	0.010	0.149	0.015
Limonene	0.010	3.530	0.353
ρ-Cymene	0.010	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
Ocimene	0.010	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
Eucalyptol	0.010	0.579	0.058
Y-Terpinene	0.010	0.195	0.020
Terpinolene	0.010	1.430	0.143
Linalool	0.010	5.171	0.517
Isopulegol	0.010	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
Geraniol	0.010	0.049	0.005
Caryophyllene	0.010	6.016	0.602
α-Humulene	0.010	3.309	0.331
Trans-Nerolidol	0.010	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
Cis-Nerolidol	0.010	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
Guaiol	0.010	0.016	0.002
Caryophyllene Oxide	0.010	0.024	0.002
α-Bisabolol	0.010	0.019	0.002
Total Terpenes		35.366	3.537

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.

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

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Certified by:



Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

C231002BE





Company: Theory Wellness of VT

768 Putney Rd

Brattleboro, VT 05301

**Customer ID:** 230609-0

Grower License #: MANU0054

Sample ID: Vape Oil- Distillate- Tahoe OG

Lot: 0054-DISTAHO1

Matrix: Distillate

Date Sampled: N/A

**Date Received:** 10/2/2023

Report Date: 10/12/2023

Date Analyzed: 10/12/2023 Analyst: 049

Report ID: C231002BE

### **Pathogen Summary**

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



Test Methodology: Bio-Rad IQ-Check PCR Kits

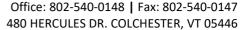
cfu/g = colony forming units per gram

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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768 Putney Rd

Brattleboro, VT 05301

Customer ID: 230609-0
Grower License #: MANU0054

Sample ID: Vape Oil- Distillate- Tahoe OG

Lot: 0054-DISTAHO1 Report Date: 10/11/2023

Matrix: Distillate Date Analyzed: 10/11/2023

Date Sampled: N/A Analyst: 048

Date Received: 10/2/2023 Report ID: C231002BE

#### **Heavy Metal Summary**

Heavy Metal Profile	LOQ (ppm)	Concentration (ppm)
Arsenic (As)	0.0001	0.0020
Cadmium (Cd)	0.0001	<loq< th=""></loq<>
Mercury (Hg)	0.0001	<loq< th=""></loq<>
Lead (Pb)	0.0001	0.0020



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

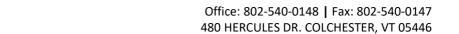
LOQ = The lowest quantity that this method can reliably detect. Any heavy metal that was not detected is assumed to be less than the stated LOQ (<LOQ).

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Customer ID: 230609-0
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Sample ID: Vape Oil- Distillate- Tahoe OG

Lot: 0054-DISTAHO1 Report Date: 10/11/2023
Matrix: Distillate Date Analyzed: 10/5/2023

Date Sampled: N/A Analyst: 048

Date Received: 10/2/2023 Report ID: C231002BE

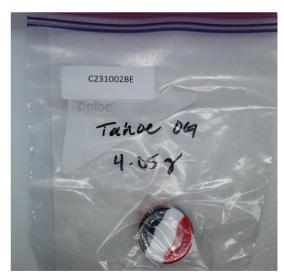
### **Residual Solvents Summary**

Residual Solvent	LOQ (μg/g)	Results (μg/g)
Benzene	0.20	<loq< th=""></loq<>
Chloroform	6.00	<loq< th=""></loq<>
Methylene Chloride	60.00	<loq< th=""></loq<>
Trichloroethylene	500.00	<loq< th=""></loq<>
Acetone	500.00	<loq< th=""></loq<>
Acetonitrile	40.00	<loq< th=""></loq<>
Propane	500.00	<loq< th=""></loq<>
Butane	500.00	<loq< th=""></loq<>
Ethanol	500.00	<loq< th=""></loq<>
Ethyl acetate	500.00	<loq< th=""></loq<>
Ethyl Ether	500.00	<loq< th=""></loq<>
Heptane	500.00	<loq< th=""></loq<>
Hexane	30.00	<loq< th=""></loq<>
Isopropyl Alcohol	500.00	<loq< th=""></loq<>
Methanol	300.00	<loq< th=""></loq<>
Pentane	500.00	<loq< th=""></loq<>
Toluene	90.00	<loq< th=""></loq<>
Total Xylenes	200.00	<loq< th=""></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<sup>®</sup> SQ8 GC MS

Reagent Blanks: < LOQs for all analytes



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Certified by:

Luke E.M



Office: 802-540-0148 | Fax: 802-540-0147 480 HERCULES DR. COLCHESTER, VT 05446

## **Certificate of Analysis**

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768 Putney Rd

Lot: 0054-DISTAHO1

Report Date: 10/12/2023

Brattleboro, VT 05301

Matrix: Distillate

**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: C231002BE

### Pesticides/Mycotoxins Summary

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

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

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