



Company: Theory Wellness of VT Sample ID: Vape Oil- Distillate- White Runtz

768 Putney Rd Lot: 0054-DISWHRU1

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: C231002BC

#### **Cannabinoid Summary**

| Cannabinoid<br>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     | <loq< th=""><th><loq< th=""></loq<></th></loq<> | <loq< th=""></loq<> |
| CBG                    | 0.0019     | 20.96   | 2.10                |
| CBD                    | 0.0019     | 6.07  | 0.61                |
| THCV                   | 0.0021     | 7.38  | 0.74                |
| CBN                    | 0.0013     | 17.00   | 1.70                |
| Δ9-ΤΗС                 | 0.0020     | 686.97  | 68.70               |
| Δ8-ΤΗС                 | 0.0019     | <loq< th=""><th><loq< th=""></loq<></th></loq<> | <loq< th=""></loq<> |
| THC-A                  | 0.0034     | 1.75  | 0.17                |
| CBC                    | 0.0024     | 13.18   | 1.32                |
| Total THC              |            | 688.50  | 68.85               |
| Total CBD              |            | 6.07  | 0.61                |
| Total Cannabinoids     |            | 753.31  | 75.33               |

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:

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.

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 *Certified by:* samples as received.

68.85%

**Total THC** 

0.61%

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

**Total CBD** 

75.33%

Total Cannabinoids

68.7%

Δ9-ΤΗС

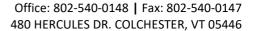
N/A

Percent Moisture 1:0

THC : CBD Ratio



Luke E.M





Company: Theory Wellness of VT

768 Putney Rd

Brattleboro, VT 05301

Customer ID: 230609-0
Grower License #: MANU0054

Sample ID: Vape Oil- Distillate- White Runtz

Lot: 0054-DISWHRU1 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: C231002BC

#### **Terpenes Summary**

| Terpene             | LOQ (mg/g) | Results (mg/g)                                  | Weight (%)          |
|---------------------|------------|---|---------------------|
| α- Pinene           | 0.010      | 3.658   | 0.366               |
| Camphene            | 0.010      | 0.494   | 0.049               |
| β-Myrcene           | 0.010      | 6.762   | 0.676               |
| b-Pinene            | 0.010      | 4.713   | 0.471               |
| 3-Carene            | 0.010      | 0.049   | 0.005               |
| α-Terpinene         | 0.010      | 0.099   | 0.010               |
| Limonene            | 0.010      | 3.375   | 0.338               |
| 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      | 0.477   | 0.048               |
| Y-Terpinene         | 0.010      | 0.143   | 0.014               |
| Terpinolene         | 0.010      | 1.000   | 0.100               |
| Linalool            | 0.010      | 4.694   | 0.469               |
| Isopulegol          | 0.010      | <loq< th=""><th><loq< th=""></loq<></th></loq<> | <loq< th=""></loq<> |
| Geraniol            | 0.010      | 0.073   | 0.007               |
| Caryophyllene       | 0.010      | 4.090   | 0.409               |
| α-Humulene          | 0.010      | 1.798   | 0.180               |
| 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      | 0.059   | 0.006               |
| Caryophyllene Oxide | 0.010      | 0.044   | 0.004               |
| α-Bisabolol         | 0.010      | 0.055   | 0.006               |
| Total Terpenes      |            | 31.583  | 3.158               |

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

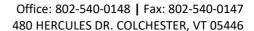
All results reflect dry weight of material, based on % moisture of the sample.

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

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.

Certified by:

Luke E.M





Company: Theory Wellness of VT

768 Putney Rd

Brattleboro, VT 05301

**Customer ID:** 230609-0

Grower License #: MANU0054

Sample ID: Vape Oil- Distillate- White Runtz

Lot: 0054-DISWHRU1

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: C231002BC

### Pathogen Summary

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



Test Methodology: Bio-Rad IQ-Check PCR Kits

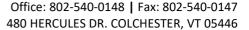
cfu/g = colony forming units per gram

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

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.

Certified by: Luke K.M





Company: Theory Wellness of VT

768 Putney Rd

Brattleboro, VT 05301

Customer ID: 230609-0
Grower License #: MANU0054

Sample ID: Vape Oil- Distillate- White Runtz

Lot: 0054-DISWHRU1

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: C231002BC

### **Heavy Metal Summary**

| Heavy Metal Profile | LOQ (ppm) | Concentration (ppm) |
|---------------------|-----------|---------------------|
| Arsenic (As)        | 0.0001    | <loq< th=""></loq<> |
| Cadmium (Cd)        | 0.0001    | <loq< th=""></loq<> |
| Mercury (Hg)        | 0.0001    | <loq< th=""></loq<> |
| Lead (Pb)           | 0.0001    | 0.0100              |



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).

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.

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 *Certified by:* samples as received.

Luke E.M



Report Date: 10/11/2023



## **Certificate of Analysis**

Company: Theory Wellness of VT Sample ID: Vape Oil- Distillate- White Runtz

768 Putney Rd Lot: 0054-DISWHRU1

Brattleboro, VT 05301 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: C231002BC

#### **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



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.

Certified by:

Luke K.M



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

Report Date: 10/12/2023

## **Certificate of Analysis**

Company: Theory Wellness of VT Sample ID: Vape Oil- Distillate- White Runtz

768 Putney Rd Lot: 0054-DISWHRU1

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: C231002BC

#### Pesticides/Mycotoxins Summary

| Category II Residual<br>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<br>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.

Certified by: Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

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.