



## Certificate of Analysis

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

**Sample ID:** Vape Oil - Distillate - Jack Herer  
**Lot:** 0054-DISJAHE1  
**Matrix:** Distillate

**Report Date:** 12/1/2023  
**Date Analyzed:** 11/30/2023

**Customer ID:** 230609-0  
**Grower License #:** MANU0054

**Date Sampled:** N/A  
**Date Received:** 11/7/2023

**Analyst:** 048  
**Report ID:** C231107AR

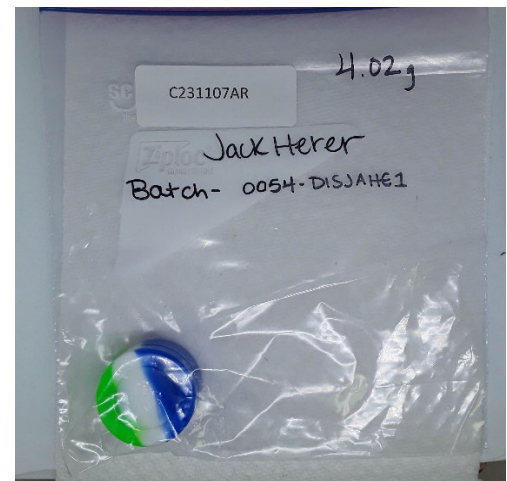
### Terpenes Summary

Terpene	LOQ (mg/g)	Results (mg/g)	Weight (%)
$\alpha$ - Pinene	0.010	2.866	0.287
Camphene	0.010	0.241	0.024
$\beta$ -Myrcene	0.010	6.664	0.666
b-Pinene	0.010	4.374	0.437
3-Carene	0.010	0.992	0.099
$\alpha$ -Terpinene	0.010	1.274	0.127
Limonene	0.010	1.310	0.131
p-Cymene	0.010	<LOQ	<LOQ
Ocimene	0.010	1.052	0.105
Eucalyptol	0.010	1.181	0.118
$\gamma$ -Terpinene	0.010	0.957	0.096
Terpinolene	0.010	<LOQ	<LOQ
Linalool	0.010	4.671	0.467
Isopulegol	0.010	<LOQ	<LOQ
Geraniol	0.010	0.027	0.003
Caryophyllene	0.010	4.417	0.442
$\alpha$ -Humulene	0.010	1.663	0.166
Trans-Nerolidol	0.010	<LOQ	<LOQ
Cis-Nerolidol	0.010	<LOQ	<LOQ
Guaiol	0.010	0.027	0.003
Caryophyllene Oxide	0.010	<LOQ	<LOQ
$\alpha$ -Bisabolol	0.010	0.013	0.001
<b>Total Terpenes</b>		<b>31.729</b>	<b>3.172</b>

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 E. M.*

Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

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**Lot:** 0054-DISJAHE1

**Report Date:** 11/30/2023

**Date Analyzed:** 11/30/2023

**Customer ID:** 230609-0

**Matrix:** Distillate

**Analyst:** 018

**Grower License #:** MANU0054

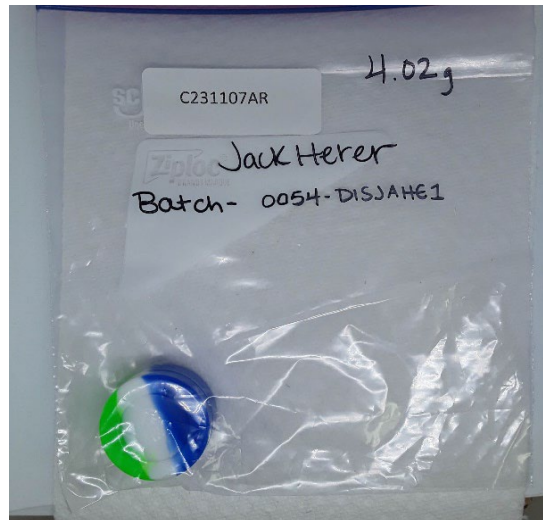
**Date Sampled:** N/A

**Date Received:** 11/7/2023

**Report ID:** C231107AR

### 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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 768 Putney Rd  
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**Sample ID:** Vape Oil - Distillate - Jack Herer

**Lot:** 0054-DISJAHE1

**Report Date:** 12/1/2023

**Matrix:** Distillate

**Date Analyzed:** 11/29/2023

**Customer ID:** 230609-0

**Date Sampled:** N/A

**Analyst:** 048

**Grower License #:** MANU0054

**Date Received:** 11/7/2023

**Report ID:** C231107AR

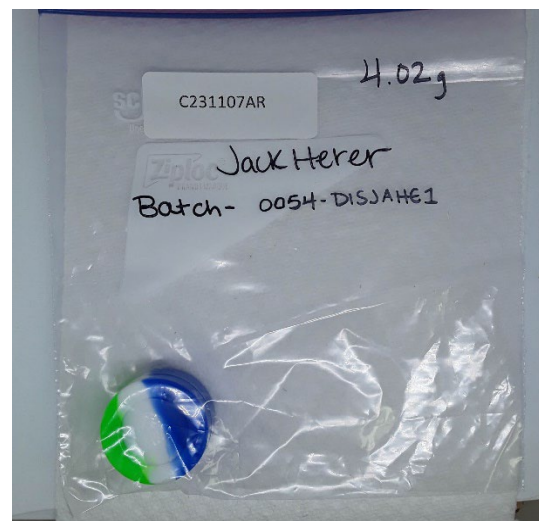
### Residual Solvents Summary

Residual Solvent	LOQ (µg/g)	Results (µg/g)
Benzene	0.20	<LOQ
Chloroform	6.00	<LOQ
Methylene Chloride	500.00	<LOQ
Trichloroethylene	500.00	<LOQ
Acetone	40.00	<LOQ
Acetonitrile	500.00	<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
<b>Total Xylenes</b>	<b>200.00</b>	<b>&lt;LOQ</b>

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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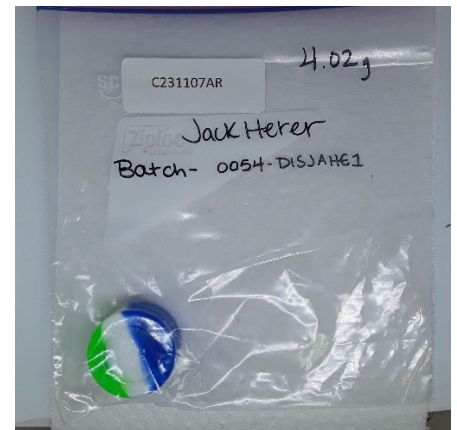
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## Certificate of Analysis

<b>Company:</b> Theory Wellness of VT 768 Putney Rd Brattleboro, VT 05301  <b>Customer ID:</b> 230609-0 <b>Grower License #:</b> MANU0054	<b>Sample ID:</b> Vape Oil - Distillate - Jack Herer <b>Lot:</b> 0054-DISJAHE1 <b>Matrix:</b> Distillate <b>Date Sampled:</b> N/A <b>Date Received:</b> 11/7/2023	<b>Report Date:</b> 11/22/2023 <b>Date Analyzed:</b> 11/22/2023 <b>Analyst:</b> 048 <b>Report ID:</b> C231107AR
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## Heavy Metal Summary

Heavy Metal Profile	LOQ (ppm)	Concentration (ppm)
<b>Arsenic (As)</b>	0.0001	<b>0.0050</b>
<b>Cadmium (Cd)</b>	0.0001	<LOQ
<b>Mercury (Hg)</b>	0.0001	<LOQ
<b>Lead (Pb)</b>	0.0001	<b>0.0080</b>



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.

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**Lot:** 0054-DISJAHE1  
**Matrix:** Distillate

**Report Date:** 11/27/2023  
**Date Analyzed:** 11/21/2023

**Customer ID:** 230609-0

**Date Sampled:** N/A

**Analyst:** 045

**Grower License #:** MANU0054

**Date Received:** 11/7/2023

**Report ID:** C231107AR

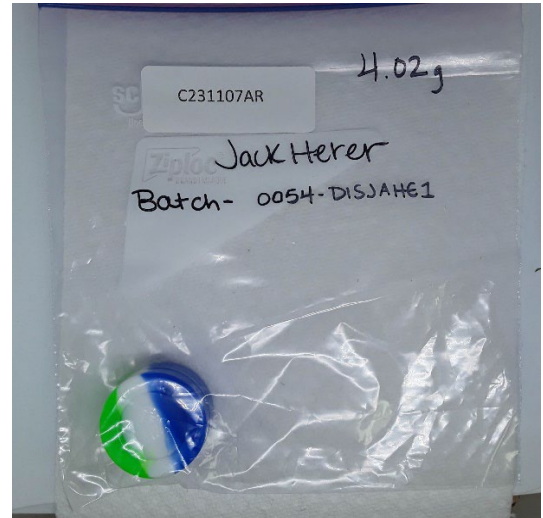
### Pesticides/Mycotoxins Summary

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

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

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(802) 540-0148 laboratory@biadiagnostics.com