

Certificate of Analysis

Company: Vermont Kind Manufacturing

Sample ID: Decarbed Oil

Lot: MANU0027-D0008

Report Date: 12/22/2023

Matrix: Concentrate

Date Analyzed: 12/20/2023

Customer ID: 210614-02

Date Sampled: N/A

Analyst: 011

Grower License #: MANU0027

Date Received: 12/4/2023

Report ID: C231204AL

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	<LOQ	<LOQ
CBDA	0.0008	2.54	0.25
CBGA	0.0008	6.13	0.61
CBG	0.0019	30.45	3.04
CBD	0.0019	11.66	1.17
THCV	0.0021	9.79	0.98
CBN	0.0013	4.28	0.43
Δ9-THC	0.0020	595.74	59.57
Δ8-THC	0.0019	2.38	0.24
THC-A	0.0034	<LOQ	<LOQ
CBC	0.0024	19.47	1.95
Total THC		595.74	59.57
Total CBD		13.89	1.39
Total Cannabinoids		682.44	68.24

59.57%

Total THC

1.39%

Total CBD

68.24%

**Total
Cannabinoids**

59.57%

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.

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Luke E. M.
 Luke Emerson Mason (Laboratory Director, Bia Diagnostics)



Certificate of Analysis

Company: Vermont Kind Manufacturing
 2687 Willoughby Lake Road
 Barton, VT 05822

Sample ID: MANU0027-C0047 S

Lot: N/A

Matrix: Concentrate

Report Date: 10/9/2023

Date Analyzed: 10/5/2023

Analyst: 048

Report ID: C230925BD

Customer ID: 210614-02

Date Sampled: 9/20/2023

Date Received: 9/25/2023

Grower License #: MANU0027

Residual Solvents Summary

Residual Solvent	LOQ (µg/g)	Results (µg/g)
Benzene	0.150	<LOQ
Chloroform	0.300	<LOQ
Methylene Chloride	1.120	<LOQ
Trichloroethylene	0.560	<LOQ
Acetone	0.270	<LOQ
Acetonitrile	0.020	<LOQ
Propane	7.500	<LOQ
Butane	7.160	<LOQ
Ethanol	0.360	643.19
Ethyl acetate	3.580	<LOQ
Ethyl Ether	0.900	<LOQ
Heptane	4.480	<LOQ
Hexane	0.450	<LOQ
Isopropyl Alcohol	0.180	428.58
Methanol	0.090	<LOQ
Pentane	1.350	<LOQ
Toluene	0.270	<LOQ
Total Xylenes	0.380	<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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Certified by:

Luke E. M.

Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

Certificate of Analysis

Company: Vermont Kind Manufacturing 2687 Willoughby Lake Road Barton, VT 05822 Customer ID: 210614-02 Grower License #: MANU0027	Sample ID: MANU0027-C0047 Lot: N/A Matrix: Concentrate Date Sampled: 9/20/2023 Date Received: 9/25/2023	Report Date: 10/9/2023 Date Analyzed: 10/9/2023 Analyst: 048 Report ID: C230925BC
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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
Etoazole	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.

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

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 Results apply to the samples as received.

Certificate of Analysis
Company: Vermont Kind Manufacturing **Sample ID:** MANU0027-C0047

2687 Willoughby Lake Road

Lot: N/A

Barton, VT 05822

Matrix: Concentrate

Report Date: 10/6/2023

Date Analyzed: 10/6/2023

Analyst: 048

Customer ID: 210614-02

Date Sampled: 9/20/2023

Report ID: C230925BC

Grower License #: MANU0027

Date Received: 9/25/2023

Heavy Metal Summary

Heavy Metal Profile	LOQ (ppm)	Concentration (ppm)
Arsenic (As)	0.0001	0.0010
Cadmium (Cd)	0.0001	0.0010
Mercury (Hg)	0.0001	<LOQ
Lead (Pb)	0.0001	0.0030



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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Certified by:



Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

Peppermint Flavor Mint B

Sample ID: BIA241217S0020
 Strain: Manu0017-0124
 Matrix: Ingestible
 Type: Orally-Dissolving Product
 Sample Size: 0.554 g
 Lot#:

Produced: Collected:
 Received: 12/17/2024
 Completed: 12/20/2024
 Batch#: MANU0017-00124

Client
Altitude Drops
 Lic. #
 1723 Evansville Rd
 Brownington, VT 05860



Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	12/18/2024	Complete

Cannabinoids

Completed

2.15 mg/serving
 Total THC

0.16 mg/serving
 Total CBD

2.35 mg/serving
 Total Cannabinoids

Analyte	LOQ	Results	Results	Mass	Mass
	%	%	mg/g	mg/serving	mg/container
CBDVa	0.0001	<LOQ	<LOQ	<LOQ	
CBDV	0.0001	<LOQ	<LOQ	<LOQ	
CBDa	0.0001	0.01	0.1	0.07	
CBGa	0.0001	<LOQ	<LOQ	<LOQ	
CBG	0.0002	<LOQ	<LOQ	<LOQ	
CBD	0.0002	0.02	0.2	0.11	
THCV	0.0002	<LOQ	<LOQ	<LOQ	
CBN	0.0001	<LOQ	<LOQ	<LOQ	
Δ9-THC	0.0002	0.35	3.5	1.94	
Δ8-THC	0.0002	<LOQ	<LOQ	<LOQ	
Δ10-THC	0.0000	<LOQ	<LOQ	<LOQ	
CBC	0.0002	<LOQ	<LOQ	<LOQ	
THCa	0.0003	0.04	0.4	0.24	
Total THC		0.39	3.88	2.15	
Total CBD		0.03	0.30	0.16	
Total		0.42	4.25	2.35	0.00

Analyst: 056

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:

TotalTHC=(THCAx0.877)+Δ9-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. Δ9-THC MU = ±0.005% Total THC MU = ±0.007%

All other cannabinoid MU values are available upon request.

All moisture and water activity analysis is determined by dewpoint measurement using an AQUALAB water activity meter.




Luke Emerson-Mason
 Laboratory Director
 12/20/2024

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