Bia Diagnostics Laboratories

Bia Diagnostics
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Colchester, VT 05446

(802) 540-0148
https://www.biadiagnostics.com/
Lic# TLAB0029

USDA Certified Organic Full-Spectrum CBD Oil

Sample ID: BIA25032450001
Strain: Cherry Wine

Matrix: Ingestible
Type: Liquid Fats (Oils)
Sample Size: 1 units
Lot#:

Produced:
Collected:
Received: 03/26/2025
Completed: 04/09/2025
Batch#: FSO125

Client
Bald Mountain Botanicals
Lic. # 23_1572
101 Howe Hill Rd
Camden, ME 04843

Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	03/27/2025	Complete
Terpenes	03/27/2025	Complete
Residual Solvents	03/28/2025	Complete
Microbials	04/03/2025	Complete
Mycotoxins	04/01/2025	Complete
Pesticides	04/01/2025	Complete
Heavy Metals	03/28/2025	Complete

Cannabinoids

30mL Bottle; Density - 0.945g/mL

Completed

2.40 mg/serving	35.87 mg/serving	43.51 mg/serving
Total THC	Total CBD	Total Cannabinoids

Analyte	LOQ	Results	Results	Mass	Mass
	%	%	mg/g	mg/serving	mg/container
CBDVa	0.0001	<LOQ	<LOQ	<LOQ	<LOQ
CBDV	0.0001	0.03	0.3	0.26	7.88
CBDa	0.0001	1.51	15.1	14.25	427.53
CBGa	0.0001	0.04	0.4	0.36	10.86
CBG	0.0002	0.03	0.3	0.33	9.89
CBD	0.0002	2.47	24.7	23.37	701.25
THCV	0.0002	0.01	0.1	0.11	3.45
CBN	0.0001	<LOQ	<LOQ	<LOQ	<LOQ
Δ9-THC	0.0002	0.21	2.1	1.99	59.59
Δ8-THC	0.0002	<LOQ	<LOQ	<LOQ	<LOQ
Δ10-THC	0.0000	<LOQ	<LOQ	<LOQ	<LOQ
CBC	0.0002	0.25	2.5	2.36	70.77
THCa	0.0003	0.05	0.5	0.47	14.21
Total THC		**0.25**	**2.54**	**2.40**	**72.06**
Total CBD		**3.80**	**37.96**	**35.87**	**1076.19**
Total		**4.60**	**46.05**	**43.51**	**1305.43**

Analyst: 048
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
04/09/2025

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Terpenes

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
β-Myrcene	0.010	0.635	0.064
α-Pinene	0.010	0.204	0.020
β-Caryophyllene	0.010	0.138	0.014
Limonene	0.010	0.087	0.009
β-Pinene	0.010	0.081	0.008
Ocimene	0.010	0.071	0.007
α-Humulene	0.010	0.036	0.004
Linalool	0.010	0.017	0.002
3-Carene	0.010	<LOQ	<LOQ
α-Bisabolol	0.010	<LOQ	<LOQ
α-Terpinene	0.010	<LOQ	<LOQ
Camphene	0.010	<LOQ	<LOQ
Caryophyllene Oxide	0.010	<LOQ	<LOQ
cis-Nerolidol	0.010	<LOQ	<LOQ
Eucalyptol	0.010	<LOQ	<LOQ
γ-Terpinene	0.010	<LOQ	<LOQ
Geraniol	0.010	<LOQ	<LOQ
Guaiol	0.010	<LOQ	<LOQ
Isopulegol	0.010	<LOQ	<LOQ
p-Cymene	0.010	<LOQ	<LOQ
Terpinolene	0.010	<LOQ	<LOQ
trans-Nerolidol	0.010	<LOQ	<LOQ
Total		**1.269**	**0.127**

Primary Aromas

Analyst: 045
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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Pesticides

Completed

Category 1 Pesticides	LOD	LOQ	Results
	PPM	PPM	PPM
Chlorpyrifos	0.0003	0.0010	ND
Imazalil	0.0003	0.0010	ND

Category 2 Pesticides	LOD	LOQ	Results
	PPM	PPM	PPM
Abamectin	0.0003	0.0010	ND
Acephate	0.001	0.0050	ND
Acequinocyl	0.0003	0.0010	ND
Azoxystrobin	0.00005	0.0010	ND
Bifenazate	0.0001	0.0010	ND
Bifenthrin	0.0001	0.0010	ND
Carbaryl	0.0001	0.0010	ND
Cypermethrin	0.001	0.0050	ND
Etoxazole	0.0001	0.0010	ND
Imidacloprid	0.00005	0.0010	<LOQ
Myclobutanil	0.0001	0.0010	ND
Pyrethrins	0.001	0.0050	ND
Spinosyn A	0.0001	0.0010	ND
Spinosyn D	0.0003	0.0010	ND

Analyst: 056
Pesticides Methodology: Liquid Chromatography with Tandem Mass Spectrometry using PerkinElme QSight® LX50 UHPLC and QSight 220 Mass Spectrometer
LOQ = The lowest quantity this method can reliably quantify. Any pesticides or mycotoxins that were not quantifiable are less than the stated LOQ (<LOQ).
ppm = parts per million
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ND = Not Detected (<LOD)

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Plate Count

Completed

Plate Count	LOQ	Results
	CFU/g	CFU/g
Aerobic Bacteria	91	<LOQ
Yeast & Mold	91	<LOQ

Analyst: 018
Microbial Methodology: 3M™ Petrifilm Plates
cfu/g = colony forming units per gram
LOQ = The lowest quantity that this method can reliably detect. Any microbial growth that was not detected is assumed to be less than the stated LOQ (<LOQ).
Reagent Blanks: <LOQ for all analytes

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Mycotoxins

Completed

Analyte	LOD	LOQ	Results
	PPM	PPM	PPM
Ochratoxin A	0.0001	0.0005	ND
B1	0.0001	0.0005	ND
B2	0.0001	0.0005	ND
G1	0.0001	0.0005	ND
G2	0.00003	0.0001	ND
Total			**0.0000**

Analyst: 056
Mycotoxin Methodology: Liquid Chromatography with Tandem Mass Spectrometry using PerkinElme QSight® LX50 UHPLC and QSight 220 Mass Spectrometer
LOQ = The lowest quantity this method can reliably quantify. Any pesticides or mycotoxins that were not quantifiable are less than the stated LOQ (<LOQ).
ND = Not Detected (<LOD)
All results reflect dry weight of material, based on % moisture of the sample.
ppm = parts per million
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Heavy Metals

Completed

Analyte	LOQ	Results
	µg/g	µg/g
Chromium	0.0001	NT
Nickel	0.0001	NT
Copper	0.0001	NT
Zinc	0.0001	NT
Arsenic	0.0001	0.0065
Cadmium	0.0001	0.0005
Mercury	0.0001	<LOQ
Lead	0.0001	0.0118
Total		**0.0188**

Analyst: 052
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.
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Residual Solvents

Completed

Analyte	LOQ	Results
	µg/g	µg/g
Acetone	50.00	<LOQ
Acetonitrile	50.00	<LOQ
Benzene	0.50	<LOQ
n-Butane	50.00	<LOQ
Chloroform	5.00	<LOQ
Ethanol	500.00	<LOQ
Ethyl-Acetate	500.00	<LOQ
Ethyl-Ether	500.00	<LOQ
Heptane	500.00	<LOQ
n-Hexane	5.00	<LOQ
Isopropanol	50.00	<LOQ
Methanol	50.00	<LOQ
Dichloromethane	50.00	<LOQ
n-Pentane	500.00	<LOQ
Propane	500.00	<LOQ
Toluene	50.00	<LOQ
Trichloroethylene	500.00	<LOQ
Xylenes	50.00	<LOQ
Total		**0**

Analyst: 045
Residual Solvent Methodology: Headspace Sampler, Gas Chromatography-Mass Spectrometry (GC-MS), using Perkin Elmer Clarus® SQ8 GC MS
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).
Reagent Blanks: < LOQs for all analytes

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