

USDA Certified Organic Full-Spectrum CBD Balm

Sample ID: BIA240923S0018
Strain: N/A

Produced:
Collected:
Received: 09/23/2024
Completed: 10/18/2024
Batch#: FSB124

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

Matrix: Topical
Type: Lotion
Sample Size: 53 g
Lot#:



Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	09/25/2024	Complete
Terpenes	09/24/2024	Complete
Pesticides	09/25/2024	Complete
Heavy Metals	09/27/2024	Complete

Cannabinoids

Completed

97.16 mg/container Total THC	1,193.33 mg/container Total CBD	1,476.33 mg/container Total Cannabinoids
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Analyte	LOQ	Results	Results	Mass	Mass
	mg/g	%	mg/g	mg/serving	mg/container
CBDVa	0.0005	<LOQ	<LOQ	<LOQ	<LOQ
CBDV	0.0012	0.01	0.1	0.12	6.57
CBDa	0.0008	0.91	9.1	9.10	482.52
CBGa	0.0008	0.02	0.2	0.21	11.19
CBG	0.0019	0.03	0.3	0.28	14.63
CBD	0.0019	1.45	14.5	14.53	770.15
THCV	0.0021	0.01	0.1	0.10	5.19
CBN	0.0013	<LOQ	<LOQ	<LOQ	<LOQ
Δ9-THC	0.0020	0.16	1.6	1.56	82.83
Δ8-THC	0.0019	<LOQ	<LOQ	<LOQ	<LOQ
Δ10-THC	0.0002	<LOQ	<LOQ	<LOQ	<LOQ
CBC	0.0024	0.16	1.6	1.64	86.91
THCa	0.0034	0.03	0.3	0.31	16.34
Total THC		0.18	1.83	1.83	97.16
Total CBD		2.25	22.52	22.52	1193.33
Total		2.79	27.86	27.86	1476.33

Analyst: 052

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 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
10/18/2024

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Terpenes

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Analyte	LOQ	Results	Results
	mg/g	mg/g	%
β-Myrcene	0.010	0.718	0.072
β-Caryophyllene	0.010	0.274	0.027
α-Pinene	0.010	0.186	0.019
Limonene	0.010	0.161	0.016
Ocimene	0.010	0.116	0.012
α-Humulene	0.010	0.080	0.008
β-Pinene	0.010	0.053	0.005
Eucalyptol	0.010	0.042	0.004
Guaiol	0.010	0.023	0.002
α-Bisabolol	0.010	0.021	0.002
Linalool	0.010	0.011	0.001
3-Carene	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
γ-Terpinene	0.010	<LOQ	<LOQ
Geraniol	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		1.684	0.168

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

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Pesticides

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Category 1 Pesticides	LOQ	Results
	PPM	PPM
Chlorpyrifos	0.0010	<LOQ
Imazalil	0.0010	<LOQ
Category 2 Pesticides	LOQ	Results
	PPM	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
Spinosyn A	0.0010	<LOQ
Spinosyn D	0.0010	<LOQ

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 detect. Any pesticide or mycotoxins that was not detected is assumed to be less than the stated LOQ (<LOQ).

ppm = parts per million

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Heavy Metals

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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	0.0057
Cadmium	0.0001	0.0006
Mercury	0.0001	0.0033
Lead	0.0001	0.0020
Total		0.0116

Analyst: 048

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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