

USDA Certified Organic Sungrown Cherry Wine Hemp Flower

 Sample ID: BIA241120S0005
 Strain: CWF2024

 Produced:
 Collected:
 Received: 11/20/2024
 Completed: 12/09/2024
 Batch#: CWF2024

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

 Matrix: Plant
 Type: Hemp
 Sample Size: 80.16 g
 Lot#:


Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	11/21/2024	Complete
Moisture	11/20/2024	12.60% - Complete
Water Activity	11/20/2024	0.622 aw - Complete
Terpenes	11/25/2024	Complete
Microbials	12/04/2024	Complete
Pesticides	11/25/2024	Complete
Heavy Metals	11/27/2024	Complete

Cannabinoids

Completed

1.30% Total THC	10.37% Total CBD	13.58% Total Cannabinoids
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Analyte	LOQ	Results	Results	Mass
	mg/g	%	mg/g	mg/serving
CBDVa	0.0005	<LOQ	<LOQ	
CBDV	0.0012	<LOQ	<LOQ	
CBDa	0.0008	11.44	114.4	
CBGa	0.0008	0.27	2.7	
CBG	0.0019	<LOQ	<LOQ	
CBD	0.0019	0.34	3.4	
THCV	0.0021	<LOQ	<LOQ	
CBN	0.0013	<LOQ	<LOQ	
Δ9-THC	0.0020	0.05	0.5	
Δ8-THC	0.0019	<LOQ	<LOQ	
Δ10-THC	0.0002	<LOQ	<LOQ	
CBC	0.0024	0.07	0.7	
THCa	0.0034	1.43	14.3	
Total THC		1.30	12.95	
Total CBD		10.37	103.67	
Total		13.58	135.80	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:

$$\text{Total THC} = (\text{THCA} \times 0.877) + \Delta 9\text{-THC}$$

$$\text{Total CBD} = (\text{CBDA} \times 0.877) + \text{CBD Reagent}$$

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
 12/09/2024

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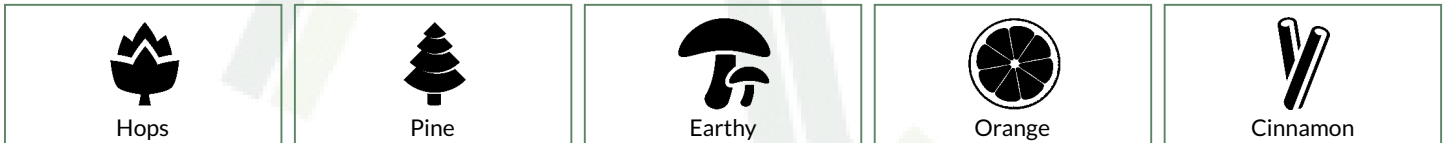
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Terpenes

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
β-Myrcene	0.010	3.987	0.399
α-Pinene	0.010	3.035	0.304
Ocimene	0.010	2.105	0.210
Limonene	0.010	1.988	0.199
β-Caryophyllene	0.010	1.939	0.194
β-Pinene	0.010	1.337	0.134
α-Humulene	0.010	0.801	0.080
Linalool	0.010	0.316	0.032
Guaiol	0.010	0.157	0.016
α-Bisabolol	0.010	0.106	0.011
Caryophyllene Oxide	0.010	0.060	0.006
Terpinolene	0.010	0.058	0.006
Eucalyptol	0.010	0.051	0.005
Camphene	0.010	0.033	0.003
γ-Terpinene	0.010	0.015	0.002
3-Carene	0.010	<LOQ	<LOQ
α-Terpinene	0.010	<LOQ	<LOQ
cis-Nerolidol	0.010	<LOQ	<LOQ
Geraniol	0.010	<LOQ	<LOQ
Isopulegol	0.010	<LOQ	<LOQ
p-Cymene	0.010	<LOQ	<LOQ
trans-Nerolidol	0.010	<LOQ	<LOQ
Total		15.988	1.599

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

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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
Pyrethrins	0.0020	<LOQ
Spinosyn A	0.0010	<LOQ
Spinosyn D	0.0010	<LOQ

Analyst: 048

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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Plate Count

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Plate Count	LOQ	Results
Aerobic Bacteria	CFU/g 910	CFU/g NT
Yeast & Mold	910	9200

Analyst: 045

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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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	0.2037
Cadmium	0.0001	0.0778
Mercury	0.0001	0.0149
Lead	0.0001	0.2383
Total		0.5347

Analyst: 052

Heavy Metal Methodology: ICP-MS using PerkinElmer NexION® 2000 ICP Mass Spectrometer

Reagent Blanks: < LOQs for all analytes

ppm = parts per million

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