

SAMPLE DETAILS
SAMPLE NAME: CBD Muscle Balm

Infused, Topical

CULTIVATOR / MANUFACTURER
Business Name:
License Number:
Address:
DISTRIBUTOR / TESTED FOR
Business Name: Moon Mother Hemp Co.

License Number:
Address:

SAMPLE DETAIL
Batch Number: 10241

Sample ID: 241024R008

Date Collected: 10/24/2024

Date Received: 10/24/2024

Batch Size:
Sample Size: 1.0 units

Unit Mass: 52 grams per Unit

Serving Size:


Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY
Total THC: 23.972 mg/unit

Total CBD: 508.300 mg/unit

Sum of Cannabinoids: 553.904 mg/unit

Total Cannabinoids: 553.904 mg/unit

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:

Total THC = Δ^9 -THC + (THCa (0.877))

Total CBD = CBD + (CBDa (0.877))

Sum of Cannabinoids = Δ^9 -THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa + Δ^8 -THC + CBL + CBN

Total Cannabinoids = (Δ^9 -THC+0.877*THCa) + (CBD+0.877*CBDa) + (CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBCa) + (CBDV+0.877*CBDVa) + Δ^8 -THC + CBL + CBN

SAFETY ANALYSIS - SUMMARY
 Δ^9 -THC per Unit: ✔ PASS

 Microbiology (PCR): ✔ PASS

 Microbiology (Plating): **ND**

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

Sample Certification: California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)

Samantha LeBeau
 LQC verified by: Samantha LeBeau
 Job Title: Laboratory Assistant
 Date: 10/29/2024

Josh Wurzer
 Approved by: Josh Wurzer
 Job Title: Chief Compliance Officer
 Date: 10/29/2024



Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: 23.972 mg/unit

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 508.300 mg/unit

Total CBD (CBD+0.877*CBDA)

TOTAL CANNABINOIDS: 553.904 mg/unit

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ^8 -THC + CBL + CBN

TOTAL CBG: 10.244 mg/unit

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 9.724 mg/unit

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 1.664 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 10/28/2024

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	0.004 / 0.011	±0.3646	9.775	0.9775
Δ^9 -THC	0.002 / 0.014	±0.0253	0.461	0.0461
CBG	0.002 / 0.006	±0.0096	0.197	0.0197
CBC	0.003 / 0.010	±0.0060	0.187	0.0187
CBDV	0.002 / 0.012	±0.0013	0.032	0.0032
Δ^8 -THC	0.01 / 0.02	N/A	ND	ND
THCa	0.001 / 0.005	N/A	ND	ND
THCV	0.002 / 0.012	N/A	ND	ND
THCVa	0.002 / 0.019	N/A	ND	ND
CBDA	0.001 / 0.026	N/A	ND	ND
CBDVa	0.001 / 0.018	N/A	ND	ND
CBGa	0.002 / 0.007	N/A	ND	ND
CBL	0.003 / 0.010	N/A	ND	ND
CBN	0.001 / 0.007	N/A	ND	ND
CBCa	0.001 / 0.015	N/A	ND	ND
SUM OF CANNABINOIDS			10.652 mg/g	1.0652%

Unit Mass: 52 grams per Unit

Parameter	Limit	Result	Status
Δ^9 -THC per Unit	1100 per-package limit	23.972 mg/unit	PASS
Total THC per Unit		23.972 mg/unit	
CBD per Unit		508.300 mg/unit	
Total CBD per Unit		508.300 mg/unit	
Sum of Cannabinoids per Unit		553.904 mg/unit	
Total Cannabinoids per Unit		553.904 mg/unit	

Microbiology Analysis

PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants.

Method: QSP 1221 - Analysis of Microbiological Contaminants

MICROBIOLOGY TEST RESULTS (PCR) - 10/29/2024 ✔ PASS

COMPOUND	ACTION LIMIT	RESULT	RESULT
<i>Salmonella</i> spp.	Not Detected in 1g	ND	PASS
Shiga toxin-producing <i>Escherichia coli</i>	Not Detected in 1g	ND	PASS



Microbiology Analysis *Continued*

MICROBIOLOGY TEST RESULTS (PLATING) - 10/29/2024 ND

Analysis conducted by 3M™ Petrifilm™ and plate counts of microbiological contaminants.

Method: QSP 6794 - Plating with 3M™ Petrifilm™

COMPOUND	RESULT (cfu/g)
Coliforms	ND
Total Aerobic Bacteria	ND
Total Yeast and Mold	ND