

**SAMPLE DETAILS**
**SAMPLE NAME:** CBD Massage Oil  
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:** 12501  
**Sample ID:** 250206S007

**Date Collected:** 02/06/2025  
**Date Received:** 02/06/2025

**Batch Size:**  
**Sample Size:** 1.0 units  
**Unit Mass:** 59 milliliters per Unit  
**Serving Size:**


Scan QR code to verify authenticity of results.

**CANNABINOID ANALYSIS - SUMMARY**
**Total THC:** 23.010 mg/unit

**Total CBD:** 526.988 mg/unit

**Sum of Cannabinoids:** 575.781 mg/unit

**Total Cannabinoids:** 575.781 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 =  $\Delta^9$ -THC + (THCa (0.877))  
 Total CBD = CBD + (CBDa (0.877))  
 Sum of Cannabinoids =  $\Delta^9$ -THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa +  $\Delta^8$ -THC + CBL + CBN  
 Total Cannabinoids = ( $\Delta^9$ -THC+0.877\*THCa) + (CBD+0.877\*CBDa) + (CBG+0.877\*CBGa) + (THCV+0.877\*THCVa) + (CBC+0.877\*CBCa) + (CBDV+0.877\*CBDVa) +  $\Delta^8$ -THC + CBL + CBN

**Density:** 0.8798 g/mL

**SAFETY ANALYSIS - SUMMARY**
 $\Delta^9$ -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),  $\mu\text{g/g}$  = ppm,  $\mu\text{g/kg}$  = ppb, too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)

*Randi Vuong*  
 LQC verified by: Randi Vuong  
 Job Title: Lead Laboratory Technician  
 Date: 02/10/2025

*Josh Wurzer*  
 Approved by: Josh Wurzer  
 Job Title: Chief Compliance Officer  
 Date: 02/10/2025




## 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: 23.010 mg/unit**

Total THC ( $\Delta^9$ -THC+0.877\*THCa)

**TOTAL CBD: 526.988 mg/unit**

Total CBD (CBD+0.877\*CBDa)

**TOTAL CANNABINOIDS: 575.781 mg/unit**

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

**TOTAL CBG: 9.912 mg/unit**

Total CBG (CBG+0.877\*CBGa)

**TOTAL THCV: ND**

Total THCV (THCV+0.877\*THCVa)

**TOTAL CBC: 10.620 mg/unit**

Total CBC (CBC+0.877\*CBCa)

**TOTAL CBDV: 2.006 mg/unit**

Total CBDV (CBDV+0.877\*CBDVa)

**CANNABINOID TEST RESULTS - 02/08/2025**

COMPOUND	LOD/LOQ (mg/mL)	MEASUREMENT UNCERTAINTY (mg/mL)	RESULT (mg/mL)	RESULT (%)
CBD	0.004 / 0.011	±0.3332	8.932	1.0152
$\Delta^9$ -THC	0.002 / 0.014	±0.0214	0.390	0.0443
CBC	0.003 / 0.010	±0.0058	0.180	0.0205
CBG	0.002 / 0.006	±0.0081	0.168	0.0191
CBN	0.001 / 0.007	±0.0011	0.037	0.0042
CBDV	0.002 / 0.012	±0.0014	0.034	0.0039
CBL	0.003 / 0.010	±0.0007	0.018	0.0020
$\Delta^8$ -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
CBCa	0.001 / 0.015	N/A	ND	ND
<b>SUM OF CANNABINOIDS</b>			<b>9.759 mg/mL</b>	<b>1.1092%</b>

**Unit Mass: 59 milliliters per Unit**

$\Delta^9$ -THC per Unit	1100 per-package limit	23.010 mg/unit	PASS
Total THC per Unit		23.010 mg/unit	
CBD per Unit		526.988 mg/unit	
Total CBD per Unit		526.988 mg/unit	
Sum of Cannabinoids per Unit		575.781 mg/unit	
Total Cannabinoids per Unit		575.781 mg/unit	

**DENSITY TEST RESULT**

<b>0.8798 g/mL</b>
Tested 02/08/2025
<b>Method:</b> QSP 7870 - Sample Preparation



## 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

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

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

### MICROBIOLOGY TEST RESULTS (PCR) - 02/10/2025 ✔ 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 TEST RESULTS (PLATING) - 02/10/2025 ND

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

### NOTES

Sample unit mass provided by client.