

### **Hemp Quality Assurance Testing**

### **CERTIFICATE OF ANALYSIS**

**DATE ISSUED 10/29/2024** 

#### SAMPLE DETAILS

SAMPLE NAME: CBD Comfort Balm

Infused, Topical

**CULTIVATOR / MANUFACTURER** 

**Business Name:** License Number:

Address:

SAMPLE DETAIL

Batch Number: 10243 Sample ID: 241024R011 **DISTRIBUTOR / TESTED FOR** 

Business Name: Moon Mother Hemp

License Number:

Address:

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: 24.492 mg/unit

Total CBD: 508.924 mg/unit

Total Cannabinoids: 557.076 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 + Sum of Cannabinoids: 557.076 mg/unit 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) +  $\Delta$ <sup>8</sup>-THC + CBL + CBN

### **SAFETY ANALYSIS - SUMMARY**

 $\Delta^9$ -THC per Unit:  $\bigcirc$  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

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)

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

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



# Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

DATE ISSUED 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: 24.492 mg/unit

Total THC (Δ<sup>9</sup>-THC+0.877\*THCa)

TOTAL CBD: 508.924 mg/unit

Total CBD (CBD+0.877\*CBDa)

TOTAL CANNABINOIDS: 557.076 mg/unit

 $\begin{array}{l} Total \ Cannabinoids \ (Total \ THC) + (Total \ CBD) + \\ (Total \ CBG) + (Total \ THCV) + (Total \ CBC) + \\ (Total \ CBDV) + \Delta^8 - THC + CBL + CBN \end{array}$ 

TOTAL CBG: 9.412 mg/unit

Total CBG (CBG+0.877\*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877\*THCVa)

TOTAL CBC: 9.776 mg/unit

Total CBC (CBC+0.877\*CBCa)

TOTAL CBDV: 2.756 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	±0.3651	9.787	0.9787
	$\Delta^9$ -THC	0.002 / 0.014	±0.0259	0.471	0.0471
	СВС	0.003 / 0.010	±0.0061	0.188	0.0188
	CBG	0.002 / 0.006	±0.0088	0.181	0.0181
	CBDV	0.002 / 0.012	±0.0022	0.053	0.0053
	CBN	0.001 / 0.007	±0.0009	0.033	0.0033
	$\Delta^8$ -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
	CBL	0.003 / 0.010	N/A	ND	ND
	CBCa	0.001 / 0.015	N/A	ND	ND
	SUM OF CANNA	BINOIDS		10.713 mg/g	1.0713%

### Unit Mass: 52 grams per Unit

$\Delta^9$ -THC per Unit	1100 per-package limit	24.492 mg/unit	PASS
Total THC per Unit		24.492 mg/unit	
CBD per Unit		508.924 mg/unit	
Total CBD per Unit		508.924 mg/unit	
Sum of Cannabinoids per Unit		557.076 mg/unit	
Total Cannabinoids per Unit		557.076 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
Salmonella spp.	Not Detected in 1g	ND	PASS
Shiga toxin-producing Escherichia coli	Not Detected in 1g	ND	PASS





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

Analysis conducted by  $3M^{^{\text{TM}}}\operatorname{Petrifilm}^{^{\text{TM}}}$  and plate counts of microbiological contaminants.

**Method:** QSP 6794 - Plating with  $3M^{TM}$  Petrifilm $^{TM}$ 

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