

SAMPLE NAME: Pet CBD Oil 500mg
Infused, Colorado Infused

CULTIVATOR / MANUFACTURER

Business Name:
License Number:
Address:

DISTRIBUTOR / TESTED FOR

Business Name: Moon Mother Hemp Co.
License Number:
Address:

SAMPLE DETAIL

Batch Number: 24-0151
Sample ID: 240701S013
Date of Sampling: 07/01/2024
Time of Sampling: 4 p.m.
Sampler Name:
Sampler Company:

Date Collected: 07/01/2024
Date Received: 07/01/2024
Batch Size:
Sample Size: 1.0 units
Unit Mass: 60 milliliters per Unit
Serving Size:



Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: 19.440 mg/unit

Total CBD: 540.720 mg/unit

Sum of Cannabinoids: 599.880 mg/unit

Total Cannabinoids: 597.360 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 = $\Delta^9\text{-THC} + (\text{THCa} \cdot 0.877)$
 Total CBD = $\text{CBD} + (\text{CBDa} \cdot 0.877)$
 Sum of Cannabinoids = $\Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} + \text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$
 Total Cannabinoids = $(\Delta^9\text{-THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDa}) + (\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) + (\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$

Density: 0.9146 g/mL

SAFETY ANALYSIS - SUMMARY

Mycotoxins:  **PASS**

Microbiology (PCR):  **PASS**


Microbiology (Plating):  **PASS**

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: 6 CCR 1010-21 Colorado Wholesale Food, Industrial Hemp, and Shellfish Regulations; where applicable

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: 07/05/2024


 Approved by: Josh Wurzer
 Job Title: Chief Compliance Officer
 Date: 07/05/2024



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: 19.440 mg/unit

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 540.720 mg/unit

Total CBD (CBD+0.877*CBDA)

TOTAL CANNABINOIDS: 597.360 mg/unit

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

TOTAL CBG: 12.300 mg/unit

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 19.140 mg/unit

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 5.220 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 07/03/2024

COMPOUND	LOD/LOQ (mg/mL)	MEASUREMENT UNCERTAINTY (mg/mL)	RESULT (mg/mL)	RESULT (%)
CBD	0.004 / 0.011	±0.3250	8.714	0.9528
CBDA	0.001 / 0.026	±0.0097	0.340	0.0372
Δ^9 -THC	0.002 / 0.014	±0.0178	0.324	0.0354
CBC	0.003 / 0.010	±0.0103	0.319	0.0349
CBG	0.002 / 0.006	±0.0099	0.205	0.0224
CBDV	0.002 / 0.012	±0.0035	0.087	0.0095
CBN	0.001 / 0.007	±0.0003	0.009	0.0010
CBDVa	0.001 / 0.018	N/A	<LOQ	<LOQ
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
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
Total THC		±0.0178	0.324	0.0354
SUM OF CANNABINOIDS			9.998 mg/mL	1.0932%

Unit Mass: 60 milliliters per Unit

Δ^9 -THC per Unit	19.440 mg/unit
Total THC per Unit	19.440 mg/unit
CBD per Unit	522.840 mg/unit
Total CBD per Unit	540.720 mg/unit
Sum of Cannabinoids per Unit	599.880 mg/unit
Total Cannabinoids per Unit	597.360 mg/unit

DENSITY TEST RESULT

0.9146 g/mL

Tested 07/03/2024

Method: QSP 7870 - Sample Preparation



Mycotoxin Analysis

Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS).

Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS

MYCOTOXIN TEST RESULTS - 07/05/2024 ✔ PASS

COMPOUND	LOD/LOQ (µg/kg)	ACTION LIMIT (µg/kg)	MEASUREMENT UNCERTAINTY (µg/kg)	RESULT (µg/kg)	RESULT
Aflatoxin B1	1.6 / 5.0	5	N/A	ND	PASS
Aflatoxin B2	1.4 / 4.1		N/A	ND	
Aflatoxin G1	1.6 / 4.9		N/A	ND	
Aflatoxin G2	1.6 / 5.0		N/A	ND	
Total Aflatoxin		20		ND	PASS
Ochratoxin A	1.6 / 5.0	5	N/A	ND	PASS



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) - 07/05/2024 ✔ PASS

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

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

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

MICROBIOLOGY TEST RESULTS (PLATING) - 07/05/2024 ✔ PASS

COMPOUND	ACTION LIMIT (cfu/g)	RESULT (cfu/g)	RESULT
Total Aerobic Bacteria	10000	ND	PASS
Total Yeast and Mold	1000	ND	PASS
Coliforms	100	ND	PASS