

SAMPLE NAME: Cinnamon 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: 23-0216
Sample ID: 240513R001
Date of Sampling: 05/13/2024
Time of Sampling: 3:25 p.m.
Sampler Name:
Sampler Company:

Date Collected: 05/13/2024
Date Received: 05/13/2024
Batch Size:
Sample Size: 1.0 units
Unit Mass: 30 milliliters per Unit
Serving Size:



Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: 21.150 mg/unit
Total CBD: 526.830 mg/unit
Sum of Cannabinoids: 591.660 mg/unit
Total Cannabinoids: 588.780 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

Density: 0.9481 g/mL

SAFETY ANALYSIS - SUMMARY

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: 05/18/2024


Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 05/18/2024



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: 21.150 mg/unit

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 526.830 mg/unit

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 588.780 mg/unit

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

TOTAL CBG: 13.380 mg/unit

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 20.610 mg/unit

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 6.000 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 05/16/2024

COMPOUND	LOD/LOQ (mg/mL)	MEASUREMENT UNCERTAINTY (mg/mL)	RESULT (mg/mL)	RESULT (%)
CBD	0.004 / 0.011	±0.6303	16.899	1.7824
CBDa	0.001 / 0.026	±0.0214	0.755	0.0796
Δ^9 -THC	0.002 / 0.014	±0.0387	0.705	0.0744
CBC	0.003 / 0.010	±0.0221	0.687	0.0725
CBG	0.002 / 0.006	±0.0216	0.446	0.0470
CBDV	0.002 / 0.012	±0.0074	0.182	0.0192
CBN	0.001 / 0.007	±0.0008	0.027	0.0028
CBDVa	0.001 / 0.018	±0.0002	0.021	0.0022
CBCa	0.001 / 0.015	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
Total THC		±0.0387	0.705	0.0744
SUM OF CANNABINOIDS			19.722 mg/mL	2.0802%

Unit Mass: 30 milliliters per Unit

Δ^9 -THC per Unit	21.150 mg/unit
Total THC per Unit	21.150 mg/unit
CBD per Unit	506.970 mg/unit
Total CBD per Unit	526.830 mg/unit
Sum of Cannabinoids per Unit	591.660 mg/unit
Total Cannabinoids per Unit	588.780 mg/unit

DENSITY TEST RESULT

0.9481 g/mL
Tested 05/16/2024
Method: 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) - 05/18/2024  **PASS**

COMPOUND	ACTION LIMIT	RESULT	RESULT
Shiga toxin-producing <i>Escherichia coli</i>	Not Detected in 25g	ND	PASS
<i>Salmonella</i> spp.	Not Detected in 25g	ND	PASS

MICROBIOLOGY TEST RESULTS (PLATING) - 05/18/2024  **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