

SAMPLE NAME: Calm - Pet Oil

Infused, Hemp

CULTIVATOR / MANUFACTURER

Business Name:

License Number:

Address:

DISTRIBUTOR / TESTED FOR

Business Name: North Star Hemp

License Number:

Address:

SAMPLE DETAIL

Batch Number: NSH00504024

Sample ID: 240528R038

Date Collected: 05/28/2024

Date Received: 05/28/2024

Batch Size:

Sample Size: 1.0 units

Unit Mass: 30 milliliters per Unit

Serving Size: 1 milliliters per Serving

Scan QR code to verify
authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: **18.810 mg/unit**Total CBD: **556.650 mg/unit**Sum of Cannabinoids: **603.210 mg/unit**Total Cannabinoids: **603.210 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 = $\Delta^9\text{-THC} + (\text{THCa} \times 0.877)$ Total CBD = $\text{CBD} + (\text{CBDa} \times 0.877)$ 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 = $(\Delta^9\text{-THC} + 0.877 \times \text{THCa}) + (\text{CBD} + 0.877 \times \text{CBDa}) + (\text{CBG} + 0.877 \times \text{CBGa}) + (\text{THCV} + 0.877 \times \text{THCVa}) + (\text{CBC} + 0.877 \times \text{CBCa}) + (\text{CBDV} + 0.877 \times \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$ Density: **0.9449 g/mL**

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.

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT)

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QC verified by: Rinal Ahir
Date: 05/30/2024


Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 05/30/2024



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: 18.810 mg/unit

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 556.650 mg/unit

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 603.210 mg/unit

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

TOTAL CBG: 9.720 mg/unit

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 16.020 mg/unit

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 1.410 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 05/30/2024

COMPOUND	LOD/LOQ (mg/mL)	MEASUREMENT UNCERTAINTY (mg/mL)	RESULT (mg/mL)	RESULT (%)
CBD	0.004 / 0.011	±0.6921	18.555	1.9637
Δ^9 -THC	0.002 / 0.014	±0.0344	0.627	0.0664
CBC	0.003 / 0.010	±0.0172	0.534	0.0565
CBG	0.002 / 0.006	±0.0157	0.324	0.0343
CBDV	0.002 / 0.012	±0.0019	0.047	0.0050
CBN	0.001 / 0.007	±0.0006	0.020	0.0021
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
CBCa	0.001 / 0.015	N/A	ND	ND
SUM OF CANNABINOIDS			20.107 mg/mL	2.128%

Unit Mass: 30 milliliters per Unit / Serving Size: 1 milliliters per Serving

Δ^9 -THC per Unit	18.810 mg/unit
Δ^9 -THC per Serving	0.627 mg/serving
Total THC per Unit	18.810 mg/unit
Total THC per Serving	0.627 mg/serving
CBD per Unit	556.650 mg/unit
CBD per Serving	18.555 mg/serving
Total CBD per Unit	556.650 mg/unit
Total CBD per Serving	18.555 mg/serving
Sum of Cannabinoids per Unit	603.210 mg/unit
Sum of Cannabinoids per Serving	20.107 mg/serving
Total Cannabinoids per Unit	603.210 mg/unit
Total Cannabinoids per Serving	20.107 mg/serving

DENSITY TEST RESULT

0.9449 g/mL
Tested 05/30/2024
Method: QSP 7870 - Sample Preparation