

**SAMPLE NAME: Soothe - Red - Muscle Cream**

Infused, Hemp

**CULTIVATOR / MANUFACTURER**

Business Name:

License Number:

Address:

**DISTRIBUTOR / TESTED FOR**

Business Name: North Star Hemp

License Number:

Address:

**SAMPLE DETAIL**

Batch Number: NSH005010024

Sample ID: 240528R030

Date Collected: 05/28/2024

Date Received: 05/28/2024

Batch Size:

Sample Size: 1.0 units

Unit Mass: 59 grams per Unit

Serving Size:


Scan QR code to verify  
authenticity of results.

**CANNABINOID ANALYSIS - SUMMARY**

Total THC: **42.303 mg/unit**

Total CBD: **1274.872 mg/unit**

Sum of Cannabinoids: **1368.092 mg/unit**

Total Cannabinoids: **1368.092 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 =  $(\Delta^9\text{-THC} + 0.877 \times \text{THCa}) + (\text{CBD} + 0.877 \times \text{CBDa}) +$ 
 $(\text{CBG} + 0.877 \times \text{CBGa}) + (\text{THCV} + 0.877 \times \text{THCVa}) + (\text{CBC} + 0.877 \times \text{CBCa}) +$ 
 $(\text{CBDV} + 0.877 \times \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$ 

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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LQC verified by: Michael Pham  
Job Title: Senior Laboratory Analyst  
Date: 05/29/2024

  
Approved by: Josh Wurzer  
Job Title: Chief Compliance Officer  
Date: 05/29/2024



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: 42.303 mg/unit

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

TOTAL CBD: 1274.872 mg/unit

Total CBD (CBD+0.877\*CBDa)

TOTAL CANNABINOIDS: 1368.092 mg/unit

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

TOTAL CBG: ND

Total CBG (CBG+0.877\*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877\*THCVa)

TOTAL CBC: 45.312 mg/unit

Total CBC (CBC+0.877\*CBCa)

TOTAL CBDV: 3.540 mg/unit

Total CBDV (CBDV+0.877\*CBDVa)

CANNABINOID TEST RESULTS - 05/29/2024

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	0.004 / 0.011	±0.8060	21.608	2.1608
CBC	0.003 / 0.010	±0.0247	0.768	0.0768
$\Delta^9$ -THC	0.002 / 0.014	±0.0394	0.717	0.0717
CBDV	0.002 / 0.012	±0.0024	0.060	0.0060
CBN	0.001 / 0.007	±0.0005	0.018	0.0018
CBL	0.003 / 0.010	±0.0006	0.017	0.0017
$\Delta^8$ -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
CBG	0.002 / 0.006	N/A	ND	ND
CBGa	0.002 / 0.007	N/A	ND	ND
CBCa	0.001 / 0.015	N/A	ND	ND
SUM OF CANNABINOIDS			23.188 mg/g	2.3188%

Unit Mass: 59 grams per Unit

$\Delta^9$ -THC per Unit	42.303 mg/unit
Total THC per Unit	42.303 mg/unit
CBD per Unit	1274.872 mg/unit
Total CBD per Unit	1274.872 mg/unit
Sum of Cannabinoids per Unit	1368.092 mg/unit
Total Cannabinoids per Unit	1368.092 mg/unit