

SAMPLE NAME: Relief - Red - Muscle Gel

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: 240528R032

Date Collected: 05/28/2024

Date Received: 05/28/2024

Batch Size:

Sample Size: 1.0 units

Unit Mass: 30 grams per Unit

Serving Size:

Scan QR code to verify
authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: 27.900 mg/unit

Total CBD: 886.590 mg/unit

Sum of Cannabinoids: 962.760 mg/unit

Total Cannabinoids: 962.760 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 + CBNTotal 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

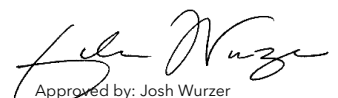
For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

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: 27.900 mg/unit

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 886.590 mg/unit

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 962.760 mg/unit

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

TOTAL CBG: 15.810 mg/unit

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: 0.450 mg/unit

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 28.860 mg/unit

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 2.340 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 05/30/2024

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	0.004 / 0.011	± 1.1023	29.553	2.9553
CBC	0.003 / 0.010	± 0.0310	0.962	0.0962
Δ^9 -THC	0.002 / 0.014	± 0.0511	0.930	0.0930
CBG	0.002 / 0.006	± 0.0256	0.527	0.0527
CBDV	0.002 / 0.012	± 0.0032	0.078	0.0078
CBL	0.003 / 0.010	± 0.0010	0.027	0.0027
THCV	0.002 / 0.012	± 0.0007	0.015	0.0015
Δ^8 -THC	0.01 / 0.02	N/A	ND	ND
THCa	0.001 / 0.005	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
CBN	0.001 / 0.007	N/A	ND	ND
CBCa	0.001 / 0.015	N/A	ND	ND
SUM OF CANNABINOIDS			32.092 mg/g	3.2092%

Unit Mass: 30 grams per Unit

Δ^9 -THC per Unit	27.900 mg/unit
Total THC per Unit	27.900 mg/unit
CBD per Unit	886.590 mg/unit
Total CBD per Unit	886.590 mg/unit
Sum of Cannabinoids per Unit	962.760 mg/unit
Total Cannabinoids per Unit	962.760 mg/unit