

SAMPLE NAME: CBD Day Gummies

Infused, Hemp

CULTIVATOR / MANUFACTURER
Business Name:
License Number:
Address:
DISTRIBUTOR / TESTED FOR
Business Name: North Star Hemp

License Number:
Address:
SAMPLE DETAIL
Batch Number: NSHGL005BA363

Sample ID: 240528R042

Date Collected: 05/28/2024

Date Received: 05/28/2024

Batch Size:
Sample Size: 1.0 units

Unit Mass: 90 grams per Unit

Serving Size: 3 grams per Serving


Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY
Total THC: 5.670 mg/unit

Total CBD: 347.400 mg/unit

Sum of Cannabinoids: 360.990 mg/unit

Total Cannabinoids: 360.990 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:

$$\text{Total THC} = \Delta^9\text{-THC} + (\text{THCa} \cdot 0.877)$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} \cdot 0.877)$$

$$\text{Sum of Cannabinoids} = \Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} +$$

$$\text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$

$$\text{Total Cannabinoids} = (\Delta^9\text{-THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDa}) +$$

$$(\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) +$$

$$(\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$

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.

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

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

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

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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: 5.670 mg/unit

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 347.400 mg/unit

Total CBD (CBD+0.877*CBDA)

TOTAL CANNABINOIDS: 360.990 mg/unit

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

TOTAL CBG: 4.230 mg/unit

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: <LOQ

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 2.520 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	±0.1440	3.860	0.3860
Δ^9 -THC	0.002 / 0.014	±0.0035	0.063	0.0063
CBG	0.002 / 0.006	±0.0023	0.047	0.0047
CBDV	0.002 / 0.012	±0.0011	0.028	0.0028
CBN	0.001 / 0.007	±0.0004	0.013	0.0013
CBC	0.003 / 0.010	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
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			4.011 mg/g	0.4011%

Unit Mass: 90 grams per Unit / Serving Size: 3 grams per Serving

Δ^9 -THC per Unit	5.670 mg/unit
Δ^9 -THC per Serving	0.189 mg/serving
Total THC per Unit	5.670 mg/unit
Total THC per Serving	0.189 mg/serving
CBD per Unit	347.400 mg/unit
CBD per Serving	11.580 mg/serving
Total CBD per Unit	347.400 mg/unit
Total CBD per Serving	11.580 mg/serving
Sum of Cannabinoids per Unit	360.990 mg/unit
Sum of Cannabinoids per Serving	12.033 mg/serving
Total Cannabinoids per Unit	360.990 mg/unit
Total Cannabinoids per Serving	12.033 mg/serving