

Hemp Quality Assurance Testing

CERTIFICATE OF ANALYSIS

DATE ISSUED 03/24/2024

SAMPLE NAME: A00000209

Infused, Hemp

CULTIVATOR / MANUFACTURER

Business Name: License Number:

Address:

SAMPLE DETAIL

Batch Number:

Sample ID: 240318M026

DISTRIBUTOR / TESTED FOR

Business Name: New York Hemp Oil

License Number:

Address:

Date Collected: 03/18/2024 Date Received: 03/18/2024

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: 12.030 mg/unit

Total CBD: 324.870 mg/unit

Total Cannabinoids: 433.260 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 + Sum of Cannabinoids: 433.260 mg/unit THCV + THCVa + CBC + CBCa + CBDV + CBDVa + Δ^8 -THC + CBL + CBN Total Cannabinoids = $(\Delta^9$ -THC+0.877*THCa) + (CBD+0.877*CBDa) + (CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBCa) +

(CBDV+0.877*CBDVa) + Δ8-THC + CBL + CBN

Density: 0.9407 g/mL

SAFETY ANALYSIS - SUMMARY

Residual Solvents: DETECTED Microbiology (PCR): ND Microbiology (Plating): ND

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), too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)

LQC verified by: Kenrick Sueksdorf Job Title: Laboratory Assistant Date: 03/24/2024

Approved by: Josh Wurzer Title: Chief Compliance Officer Date: 03/24/2024



Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS



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Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: 12.030 mg/unit

Total THC (Δ⁹-THC+0.877*THCa)

TOTAL CBD: 324.870 mg/unit

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 433.260 mg/unit

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

TOTAL CBG: ND

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: 4.110 mg/unit Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 12.390 mg/unit

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 79.350 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 03/21/2024

	COMPOUND	LOD/LOQ (mg/mL)	MEASUREMENT UNCERTAINTY (mg/mL)	RESULT (mg/mL)	RESULT (%)
Ī	CBD	0.004 / 0.011	±0.4039	10.829	1.1512
	CBDV	0.002 / 0.012	±0.1079	2.645	0.2812
	СВС	0.003 / 0.010	±0.0133	0.413	0.0439
	Δ ⁹ -THC	0.002 / 0.014	±0.0220	0.401	0.0426
	THCV	0.002 / 0.012	±0.0067	0.137	0.0146
	CBL	0.003 / 0.010	±0.0006	0.017	0.0018
	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
	CBG	0.002 / 0.006	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 CANNA	BINOIDS	14.442 mg/mL	1.5352%	

Unit Mass: 30 milliliters per Unit

Δ^9 -THC per Unit	12.030 mg/unit
Total THC per Unit	12.030 mg/unit
CBD per Unit	324.870 mg/unit
Total CBD per Unit	324.870 mg/unit
Sum of Cannabinoids per Unit	433.260 mg/unit
Total Cannabinoids per Unit	433.260 mg/unit

DENSITY TEST RESULT

0.9407 g/mL

Tested 03/21/2024

Method: QSP 7870 - Sample

Preparation



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Residual Solvents Analysis

Residual Solvent analysis utilizing gas chromatography-mass spectrometry (GC-MS).

Method: QSP 1204 - Analysis of Residual Solvents by GC-MS

RESIDUAL SOLVENTS TEST RESULTS - 03/21/2024 DETECTED

COMPOUND	LOD/LOQ (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (μg/g)
Propane	10/20	N/A	ND
n-Butane	10/50	N/A	ND
n-Pentane	20/50	N/A	ND
n-Hexane	2/5	N/A	ND
n-Heptane	20/60	N/A	ND
Benzene	0.03 / 0.09	N/A	ND
Toluene	7/21	N/A	ND
Total Xylenes	50 / 160	N/A	ND
Methanol	50 / 200	N/A	<loq< td=""></loq<>
Ethanol	20 / 50	N/A	ND
2-Propanol (Isopropyl Alcohol)	10 / 40	N/A	ND
Acetone	20/50	N/A	ND
Ethyl Ether	20/50	N/A	ND
Ethylene Oxide	0.3 / 0.8	N/A	ND
Ethyl Acetate	20/60	N/A	ND
Chloroform	0.1/0.2	N/A	ND
Dichloromethane (Methylene Chloride)	0.3 / 0.9	N/A	ND
Trichloroethylene	0.1/0.3	N/A	ND
1,2-Dichloroethane	0.05 / 0.1	N/A	ND
Acetonitrile	2/7	N/A	ND



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 $3M^{^{\text{TM}}}$ Petrifilm $^{^{\text{TM}}}$ and plate counts of microbiological contaminants.

Method: QSP 6794 - Plating with 3M[™] Petrifilm[™]

MICROBIOLOGY TEST RESULTS (PCR) - 03/24/2024 ND

COMPOUND	RESULT (cfu/g)
Shiga toxin-producing Escherichia coli	ND
Salmonella spp.	ND
Bile-Tolerant Gram-Negative Bacteria	ND
Staphylococcus aureus	ND

MICROBIOLOGY TEST RESULTS (PLATING) - 03/24/2024 ND

COMPOUND	RESULT (cfu/g)	
Total Aerobic Bacteria	ND	
Total Yeast and Mold	ND	