SC Labs®

Hemp Quality Assurance Testing
CERTIFICATE OF ANALYSIS

DATE ISSUED 08/23/2023

SAMPLE NAME: A00000196
Infused, Hemp

CULTIVATOR / MANUFACTURER
Business Name:
License Number:
Address:

DISTRIBUTOR / TESTED FOR
Business Name: New York Hemp Oil
License Number:
Address:

SAMPLE DETAIL
Batch Number:
Sample ID: 230820M003

Date Collected: 08/18/2023
Date Received: 08/20/2023
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: 10.950 mg/unit

Total CBD: 338.910 mg/unit

Sum of Cannabinoids: 379.110 mg/unit

Total Cannabinoids: 379.110 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 + CBN
Total 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

Density: 0.9471 g/mL

SAFETY ANALYSIS - SUMMARY

Pesticides: ND

Mycotoxins: ND

Residual Solvents: ND

Heavy Metals: ND

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.

Sample Certification: California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

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: Randi Vuong
Job Title: Lead Laboratory Technician
Date: 08/23/2023

Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 08/23/2023

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: 10.950 mg/unit
Total THC (Δ^9-THC+0.877*THCa)

TOTAL CBD: 338.910 mg/unit
Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 379.110 mg/unit
Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ^8-THC + CBL + CBN

TOTAL CBG: 16.200 mg/unit
Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND
Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 9.000 mg/unit
Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 3.150 mg/unit
Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 08/22/2023

COMPOUND	LOD/LOQ (mg/mL)	MEASUREMENT UNCERTAINTY (mg/mL)	RESULT (mg/mL)	RESULT (%)
CBD	*0.004 / 0.011*	*±0.4214*	11.297	1.1928
CBG	*0.002 / 0.006*	*±0.0262*	0.540	0.0570
Δ^9-THC	*0.002 / 0.014*	*±0.0200*	0.365	0.0385
CBC	*0.003 / 0.010*	*±0.0097*	0.300	0.0317
CBDV	*0.002 / 0.012*	*±0.0043*	0.105	0.0111
CBN	*0.001 / 0.007*	*±0.0005*	0.016	0.0017
CBL	*0.003 / 0.010*	*±0.0005*	0.014	0.0015
CBDa	*0.001 / 0.026*	*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
CBDVa	*0.001 / 0.018*	*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			12.637 mg/mL	1.3343%

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

Δ^9-THC per Unit	10.950 mg/unit
Δ^9-THC per Serving	0.365 mg/serving
Total THC per Unit	10.950 mg/unit
Total THC per Serving	0.365 mg/serving
CBD per Unit	338.910 mg/unit
CBD per Serving	11.297 mg/serving
Total CBD per Unit	338.910 mg/unit
Total CBD per Serving	11.297 mg/serving
Sum of Cannabinoids per Unit	379.110 mg/unit
Sum of Cannabinoids per Serving	12.637 mg/serving
Total Cannabinoids per Unit	379.110 mg/unit
Total Cannabinoids per Serving	12.637 mg/serving

DENSITY TEST RESULT

0.9471 g/mL

Tested 08/22/2023

Method: QSP 7870 - Sample Preparation

Pesticide Analysis

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS).

*GC-MS utilized where indicated.

Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS or QSP 1213 - Analysis of Pesticides by GC-MS

PESTICIDE TEST RESULTS - 08/22/2023 **ND**

COMPOUND	LOD/LOQ (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)
Abamectin	*0.03 / 0.10*	*N/A*	ND
Acephate	*0.02 / 0.07*	*N/A*	ND
Acequinocyl	*0.02 / 0.07*	*N/A*	ND
Acetamiprid	*0.02 / 0.05*	*N/A*	ND
Aldicarb	*0.03 / 0.08*	*N/A*	ND
Azoxystrobin	*0.02 / 0.07*	*N/A*	ND
Bifenazate	*0.01 / 0.04*	*N/A*	ND
Bifenthrin	*0.02 / 0.05*	*N/A*	ND
Boscalid	*0.03 / 0.09*	*N/A*	ND
Captan	*0.19 / 0.57*	*N/A*	ND
Carbaryl	*0.02 / 0.06*	*N/A*	ND
Carbofuran	*0.02 / 0.05*	*N/A*	ND
Chlorantraniliprole	*0.04 / 0.12*	*N/A*	ND
Chlordane*	*0.03 / 0.08*	*N/A*	ND
Chlorfenapyr*	*0.03 / 0.10*	*N/A*	ND
Chlorpyrifos	*0.02 / 0.06*	*N/A*	ND
Clofentezine	*0.03 / 0.09*	*N/A*	ND
Coumaphos	*0.02 / 0.07*	*N/A*	ND
Cyfluthrin	*0.12 / 0.38*	*N/A*	ND
Cypermethrin	*0.11 / 0.32*	*N/A*	ND
Daminozide	*0.02 / 0.07*	*N/A*	ND
Diazinon	*0.02 / 0.05*	*N/A*	ND
Dichlorvos (DDVP)	*0.03 / 0.09*	*N/A*	ND
Dimethoate	*0.03 / 0.08*	*N/A*	ND
Dimethomorph	*0.03 / 0.09*	*N/A*	ND
Ethoprophos	*0.03 / 0.10*	*N/A*	ND
Etofenprox	*0.02 / 0.06*	*N/A*	ND
Etoxazole	*0.02 / 0.06*	*N/A*	ND
Fenhexamid	*0.03 / 0.09*	*N/A*	ND
Fenoxycarb	*0.03 / 0.08*	*N/A*	ND
Fenpyroximate	*0.02 / 0.06*	*N/A*	ND
Fipronil	*0.03 / 0.08*	*N/A*	ND
Flonicamid	*0.03 / 0.10*	*N/A*	ND
Fludioxonil	*0.03 / 0.10*	*N/A*	ND
Hexythiazox	*0.02 / 0.07*	*N/A*	ND
Imazalil	*0.02 / 0.06*	*N/A*	ND
Imidacloprid	*0.04 / 0.11*	*N/A*	ND
Kresoxim-methyl	*0.02 / 0.07*	*N/A*	ND
Malathion	*0.03 / 0.09*	*N/A*	ND
Metalaxyl	*0.02 / 0.07*	*N/A*	ND
Methiocarb	*0.02 / 0.07*	*N/A*	ND

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Pesticide Analysis *Continued*

PESTICIDE TEST RESULTS - 08/22/2023 *continued* **ND**

COMPOUND	LOD/LOQ (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)
Methomyl	*0.03 / 0.10*	*N/A*	ND
Mevinphos	*0.03 / 0.09*	*N/A*	ND
Myclobutanil	*0.03 / 0.09*	*N/A*	ND
Naled	*0.02 / 0.07*	*N/A*	ND
Oxamyl	*0.04 / 0.11*	*N/A*	ND
Paclobutrazol	*0.02 / 0.05*	*N/A*	ND
Parathion-methyl	*0.03 / 0.10*	*N/A*	ND
Pentachloronitrobenzene*	*0.03 / 0.09*	*N/A*	ND
Permethrin	*0.04 / 0.12*	*N/A*	ND
Phosmet	*0.03 / 0.10*	*N/A*	ND
Piperonyl Butoxide	*0.02 / 0.07*	*N/A*	ND
Prallethrin	*0.03 / 0.08*	*N/A*	ND
Propiconazole	*0.02 / 0.07*	*N/A*	ND
Propoxur	*0.03 / 0.09*	*N/A*	ND
Pyrethrins	*0.04 / 0.12*	*N/A*	ND
Pyridaben	*0.02 / 0.07*	*N/A*	ND
Spinetoram	*0.02 / 0.07*	*N/A*	ND
Spinosad	*0.02 / 0.07*	*N/A*	ND
Spiromesifen	*0.02 / 0.05*	*N/A*	ND
Spirotetramat	*0.02 / 0.06*	*N/A*	ND
Spiroxamine	*0.03 / 0.08*	*N/A*	ND
Tebuconazole	*0.02 / 0.07*	*N/A*	ND
Thiacloprid	*0.03 / 0.10*	*N/A*	ND
Thiamethoxam	*0.03 / 0.10*	*N/A*	ND
Trifloxystrobin	*0.03 / 0.08*	*N/A*	ND

Mycotoxin Analysis

Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS).

Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS

MYCOTOXIN TEST RESULTS - 08/22/2023 **ND**

COMPOUND	LOD/LOQ (µg/kg)	MEASUREMENT UNCERTAINTY (µg/kg)	RESULT (µg/kg)
Aflatoxin B1	*2.0 / 6.0*	*N/A*	ND
Aflatoxin B2	*1.8 / 5.6*	*N/A*	ND
Aflatoxin G1	*1.0 / 3.1*	*N/A*	ND
Aflatoxin G2	*1.2 / 3.5*	*N/A*	ND
Total Aflatoxin			ND
Ochratoxin A	*6.3 / 19.2*	*N/A*	ND

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 - 08/21/2023 **ND**

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*	ND
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

Heavy Metals Analysis

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

Method: QSP 1160 - Analysis of Heavy Metals by ICP-MS

HEAVY METALS TEST RESULTS - 08/21/2023 **ND**

COMPOUND	LOD/LOQ (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)
Arsenic	*0.02 / 0.1*	*N/A*	ND
Cadmium	*0.02 / 0.05*	*N/A*	ND
Lead	*0.04 / 0.1*	*N/A*	ND
Mercury	*0.002 / 0.01*	*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

MICROBIOLOGY TEST RESULTS (PCR) - 08/23/2023 **ND**

COMPOUND	RESULT
Shiga toxin-producing *Escherichia coli*	ND
Salmonella spp.	ND

Microbiology Analysis *Continued*

Analysis conducted by 3M™ Petrifilm™ and plate counts of microbiological contaminants.

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

MICROBIOLOGY TEST RESULTS (PLATING) - 08/23/2023 **ND**

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