

DATE ISSUED 12/19/2020

SAMPLE NAME: A00000024

Infused, Liquid Edible

CULTIVATOR / MANUFACTURER

Business Name: License Number: Address:

DISTRIBUTOR

Business Name: New York Hemp Oil License Number: Address:

SAMPLE DETAIL

Batch Number: Sample ID: 201214W011

Date Collected: 12/14/2020 Date Received: 12/14/2020 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: 12.600 mg/unit Total CBD: 367.380 mg/unit Total Cannabinoids: 398.490 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 9THC + (THCa (0.877)) Total CBD = CBD + (CBDa (0.877)) Sum of Cannabinoids = Δ 9THC + THCa + CBD + CBDa + CBG + CBGa + Sum of Cannabinoids: 398.580 mg/unit THCV + THCVa + CBC + CBCa + CBDV + CBDVa + Δ8THC + CBL + CBN Total Cannabinoids = (Δ9THC+0.877*THCa) + (CBD+0.877*CBDa) + (CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBCa) + $(CBDV+0.877*CBDVa) + \Delta 8THC + CBL + CBN$

Moisture: NT

Density: 0.9462 g/mL

Viscosity: NT

SAFETY ANALYSIS - SUMMARY

∆9THC per Unit: ⊘PASS	Pesticides: PASS	Heavy Metals: OPASS
Foreign Material: NT	Mycotoxins: NT	Microbial Impurities (PCR): PASS
Water Activity: NT	Residual Solvents: PASS	Microbial Impurities (Plating): NT
Vitamin E Acetate: NT		
TERPENOID ANALYSIS - SUMMARY		36 TESTED, TOP 3 HIGHLIGHTED
b Caryophyllene 0.13 mg/g	\circ α Humulene 0.06 mg/g	Valencene <loq< th=""></loq<>
For quality assurance purposes. Not a Pre-Harvest Hemp Lab Test to the sample included on this report. This report shall not be repr approval of the laboratory.		
Sample Certification: California Code of Regulations Title 16 Eff Business and Professions Code. Reference: Sections 26100, 2610		
Decision Rule: Statements of conformity (e.g. Pass/Fail) to specif	,	almontodhouse le Wuze
measurement uncertainty into account. Where statements of confe		LQC verified by: Carmen Stackhouse Approved by: Josh Wurzer, Presider

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT) SC Laboratories, LLC. 100 Pioneer Street, Suite E, Santa Cruz, CA 95060 | 866-435-0709 | sclabs.com | C8-0000013-LIC | ISO/IES 17025 : 2017 Accredited PJLA Accreditation Number 87168

decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

Date: 12/19/2020

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Date: 12/19/2020



A00000024 | DATE ISSUED 12/19/2020



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

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

TOTAL THC: 12.600 mg/unit

Total THC (∆9THC+0.877*THCa)

TOTAL CBD: 367.380 mg/unit

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 398.490 mg/unit

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ8THC + CBL + CBN

TOTAL CBG: 5.010 mg/unit

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 11.160 mg/unit

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 2.340 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 12/16/2020

COMPOUND	LOD/LOQ (mg/mL)	MEASUREMENT UNCERTAINTY (mg/mL)	RESULT (mg/mL)	RESULT (%)
CBD	0.004/0.011	±0.5855	12.224	1.2919
Δ9ΤΗC	0.002/0.005	±0.0296	0.420	0.0444
CBC	0.003/0.010	±0.0154	0.372	0.0393
CBG	0.002/0.005	±0.0104	0.167	0.0176
CBDV	0.002/0.007	±0.0041	0.078	0.0082
CBDa	0.001/0.003	±0.0009	0.025	0.0026
∆8THC	0.01/0.02	N/A	ND	ND
THCa	0.001/0.002	N/A	ND	ND
THCV	0.002/0.008	N/A	ND	ND
THCVa	0.002/0.005	N/A	ND	ND
CBDVa	0.001/0.003	N/A	ND	ND
CBGa	0.002/0.006	N/A	ND	ND
CBL	0.003/0.008	N/A	ND	ND
CBN	0.001/0.004	N/A	ND	ND
CBCa	0.001/0.004	N/A	ND	ND
SUM OF CANNA	BINOIDS		13.286 mg/mL	1.4041%

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

Δ9THC per Unit	1100 per-package limit	12.600 mg/unit P	ASS
Δ9THC per Serving		0.420 mg/serving	
Total THC per Unit		12.600 mg/unit	
Total THC per Serving		0.420 mg/serving	
CBD per Unit		366.720 mg/unit	
CBD per Serving		12.224 mg/serving	
Total CBD per Unit		367.380 mg/unit	
Total CBD per Serving		12.246 mg/serving	
Sum of Cannabinoids per Unit		398.580 mg/unit	
Sum of Cannabinoids per Serving		13.286 mg/serving	
Total Cannabinoids per Unit		398.490 mg/unit	
Total Cannabinoids per Serving		13.283 mg/serving	

MOISTURE TEST RESULT

DENSITY TEST RESULT

VISCOSITY TEST RESULT

Not Tested

0.9462 g/mL

Tested 12/16/2020

Method: QSP 7870 - Sample Preparation

Not Tested

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CoA ID: 201214W011-001 Page 2 of 7

Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

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Terpenoid Analysis

Terpene analysis utilizing gas chromatographyflame ionization detection (GC-FID). Terpenes are the aromatic compounds that endow cannabis with their unique scent and effect. Following are the primary terpenes detected.

Method: QSP 1192 - Analysis of Terpenoids by GC-FID

β Caryophyllene

A sesquiterpene with a fragrance that can be described as spicy, woody, dry, dusty and mildly sweet. It was one of the first organic compounds to fully synthesized in a laboratory and plays a role in the endocannabinoid system as it is a functional CB₂ receptor agonist. Found in black pepper, clove, hops, rosemary, black-jack, perilla, spicebush, Indian pennywort, celery, frankincense, vitex, parsley, marigold, tamarind...etc.

α Humulene

Also known as α -caryophyllene, it is an isomer of the sesquiterpene β -Caryophyllene which frequently occurs in nature with many aromatic plants across the globe. It has a fragrance that can be described as earthy or musky with spicy undertones. Found in hops, forskohlii, skullcaps, basil, nutmeg, cloves, sage, cotton, tamarind, black pepper, guava, Scotch pine...etc.

Valencene

A sesquiterpene with a fragrance that can be described as fresh, sweet, citrusy, oily, and woody. It lends its name from the Valencia orange, which in turn lends its name from Valencia, Spain. Found in citrus (chiefly orange and mandarin), oregano, beautyberry, germander...etc.



TERPENOID TEST RESULTS - 12/18/2020

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
β Caryophyllene	0.02/0.07	±0.006	0.13	0.013
α Humulene	0.02/0.05	±0.002	0.06	0.006
Valencene	0.01/0.03	N/A	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
α Bisabolol	0.02/0.07	N/A	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
α Pinene	0.03/0.09	N/A	ND	ND
Camphene	0.04/0.11	N/A	ND	ND
Sabinene	0.04/0.11	N/A	ND	ND
β Pinene	0.04/0.11	N/A	ND	ND
Myrcene	0.04 / 0.11	N/A	ND	ND
α Phellandrene	0.05/0.1	N/A	ND	ND
3 Carene	0.04 / 0.1	N/A	ND	ND
α Terpinene	0.04 / 0.1	N/A	ND	ND
Limonene	0.02/0.05	N/A	ND	ND
Eucalyptol	0.03/0.08	N/A	ND	ND
Ocimene	0.03/0.09	N/A	ND	ND
γTerpinene	0.04 / 0.1	N/A	ND	ND
Sabinene Hydrate	0.02/0.07	N/A	ND	ND
Fenchone	0.04/0.12	N/A	ND	ND
Terpinolene	0.03/0.09	N/A	ND	ND
Linalool	0.03/0.08	N/A	ND	ND
Fenchol	0.03/0.09	N/A	ND	ND
(-)-lsopulegol	0.02/0.05	N/A	ND	ND
Camphor	0.1/0.2	N/A	ND	ND
Isoborneol	0.04 / 0.1	N/A	ND	ND
Borneol	0.1/0.2	N/A	ND	ND
Menthol	0.03/0.09	N/A	ND	ND
Terpineol	0.02/0.07	N/A	ND	ND
Nerol	0.03/0.09	N/A	ND	ND
R-(+)-Pulegone	0.03/0.09	N/A	ND	ND
Geraniol	0.02/0.07	N/A	ND	ND
Geranyl Acetate	0.02/0.06	N/A	ND	ND
α Cedrene	0.02/0.07	N/A	ND	ND
Nerolidol	0.3/0.8	N/A	ND	ND
Caryophyllene Oxide	0.04 / 0.11	N/A	ND	ND
Guaiol	0.03/0.09	N/A	ND	ND
Cedrol	0.04/0.11	N/A	ND	ND
TOTAL TERPENOIDS			0.19 mg/g	0.019%

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Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

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Pesticide Analysis

CATEGORY 1 AND 2 PESTICIDES

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

CATEGORY 1 PESTICIDE TEST RESULTS - 12/19/2020 🔗 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (µg/g)	RESULT
Aldicarb	0.03/0.09	≥LOD	N/A	ND	PASS
Carbofuran	0.01/0.04	≥LOD	N/A	ND	PASS
Chlordane*	0.03/0.08	≥LOD	N/A	ND	PASS
Chlorfenapyr*	0.03/0.10	≥LOD	N/A	ND	PASS
Chlorpyrifos	0.02 / 0.06	≥LOD	N/A	ND	PASS
Coumaphos	0.02 / 0.06	≥LOD	N/A	ND	PASS
Daminozide	0.03/0.10	≥LOD	N/A	ND	PASS
DDVP (Dichlorvos)	0.02/0.07	≥LOD	N/A	ND	PASS
Dimethoate	0.02/0.07	≥LOD	N/A	ND	PASS
Ethoprop(hos)	0.03/0.08	≥LOD	N/A	ND	PASS
Etofenprox	0.02/0.05	≥LOD	N/A	ND	PASS
Fenoxycarb	0.02/0.06	≥LOD	N/A	ND	PASS
Fipronil	0.02 / 0.06	≥LOD	N/A	ND	PASS
Imazalil	0.02/0.06	≥LOD	N/A	ND	PASS
Methiocarb	0.02/0.06	≥LOD	N/A	ND	PASS
Methyl parathion	0.03/0.10	≥LOD	N/A	ND	PASS
Mevinphos	0.03/0.09	≥LOD	N/A	ND	PASS
Paclobutrazol	0.02/0.05	≥LOD	N/A	ND	PASS
Propoxur	0.02/0.06	≥LOD	N/A	ND	PASS
Spiroxamine	0.02/0.05	≥LOD	N/A	ND	PASS
Thiacloprid	0.03/0.07	≥LOD	N/A	ND	PASS

CATEGORY 2 PESTICIDE TEST RESULTS - 12/19/2020 OPASS

Abamectin	0.03/0.10	0.3	N/A	ND	PASS
Acephate	0.01/0.04	5	N/A	ND	PASS
Acequinocyl	0.02/0.05	4	N/A	ND	PASS
Acetamiprid	0.02/0.05	5	N/A	ND	PASS
Azoxystrobin	0.01/0.04	40	N/A	ND	PASS
Bifenazate	0.01/0.02	5	N/A	ND	PASS
Bifenthrin	0.01/0.02	0.5	N/A	ND	PASS
Boscalid	0.02/0.06	10	N/A	ND	PASS
Captan	0.2/0.5	5	N/A	ND	PASS
Carbaryl	0.01/0.02	0.5	N/A	ND	PASS
Chlorantraniliprole	0.01/0.03	40	N/A	ND	PASS

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A00000024 | DATE ISSUED 12/19/2020



Pesticide Analysis Continued

CATEGORY 1 AND 2 PESTICIDES

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

CATEGORY 2 PESTICIDE TEST RESULTS - 12/19/2020 continued

	(µg/g)	(µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Clofentezine	0.02/0.06	0.5	N/A	ND	PASS
Cyfluthrin	0.1/0.4	1	N/A	ND	PASS
Cypermethrin	0.1/0.3	1	N/A	ND	PASS
Diazinon	0.01/0.04	0.2	N/A	ND	PASS
Dimethomorph	0.01/0.03	20	N/A	ND	PASS
Etoxazole	0.010/0.028	1.5	N/A	ND	PASS
Fenhexamid	0.02/0.1	10	N/A	ND	PASS
Fenpyroximate	0.03/0.08	2	N/A	ND	PASS
Flonicamid	0.01/0.04	2	N/A	ND	PASS
Fludioxonil	0.03/0.08	30	N/A	ND	PASS
Hexythiazox	0.01/0.04	2	N/A	ND	PASS
Imidacloprid	0.01/0.04	3	N/A	ND	PASS
Kresoxim-methyl	0.02/0.07	1	N/A	ND	PASS
Malathion	0.02/0.05	5	N/A	ND	PASS
Metalaxyl	0.02/0.06	15	N/A	ND	PASS
Methomyl	0.03/0.1	0.1	N/A	ND	PASS
Myclobutanil	0.03/0.1	9	N/A	ND	PASS
Naled	0.03/0.1	0.5	N/A	ND	PASS
Oxamyl	0.02/0.06	0.2	N/A	ND	PASS
Pentachloronitrobenzene*	0.03/0.09	0.2	N/A	ND	PASS
Permethrin	0.03/0.09	20	N/A	ND	PASS
Phosmet	0.03/0.10	0.2	N/A	ND	PASS
Piperonylbutoxide	0.003/0.009	8	N/A	ND	PASS
Prallethrin	0.03/0.08	0.4	N/A	ND	PASS
Propiconazole	0.01/0.03	20	N/A	ND	PASS
Pyrethrins	0.03/0.08	1	N/A	ND	PASS
Pyridaben	0.006/0.019	3	N/A	ND	PASS
Spinetoram	0.02/0.07	3	N/A	ND	PASS
Spinosad	0.02/0.06	3	N/A	ND	PASS
Spiromesifen	0.02/0.05	12	N/A	ND	PASS
Spirotetramat	0.01/0.02	13	N/A	ND	PASS
Tebuconazole	0.02/0.07	2	N/A	ND	PASS
Thiamethoxam	0.03/0.08	4.5	N/A	ND	PASS
Trifloxystrobin	0.01/0.03	30	N/A	ND	PASS



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A00000024 | DATE ISSUED 12/19/2020



CATEGORY 1 AND 2 RESIDUAL SOLVENTS Residual Solvent analysis utilizing gas

chromatography-mass spectrometry (GC-MS).

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

CATEGORY 1 RESIDUAL SOLVENTS TEST RESULTS - 12/17/2020 🔗 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
1,2-Dichloroethane	0.05/0.1	1	N/A	ND	PASS
Benzene	0.03/0.09	1	N/A	ND	PASS
Chloroform	0.1/0.2	1	N/A	ND	PASS
Ethylene Oxide	0.1/0.4	1	N/A	ND	PASS
Methylene chloride	0.3/0.9	1	N/A	ND	PASS
Trichloroethylene	0.1/0.3	1	N/A	ND	PASS

CATEGORY 2 RESIDUAL SOLVENTS TEST RESULTS - 12/17/2020 OPASS

• .	00 / 50	5000	N//A		DAGG
Acetone	20/50	5000	N/A	ND	PASS
Acetonitrile	2/7	410	N/A	ND	PASS
Butane	10/50	5000	N/A	ND	PASS
Ethanol	20/50	5000	N/A	ND	PASS
Ethyl acetate	20/60	5000	N/A	ND	PASS
Ethyl ether	20/50	5000	N/A	ND	PASS
Heptane	20/60	5000	N/A	ND	PASS
Hexane	2/5	290	N/A	ND	PASS
Isopropyl Alcohol	10/40	5000	N/A	ND	PASS
Methanol	50/200	3000	N/A	ND	PASS
Pentane	20/50	5000	N/A	ND	PASS
Propane	10/20	5000	N/A	ND	PASS
Toluene	7/21	890	N/A	ND	PASS
Total Xylenes	50 / 160	2170	N/A	ND	PASS

HEAVY METALS TEST RESULTS - 12/16/2020 🔗 PASS

c	COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (µg/g)	RESULT
c	Cadmium	0.02/0.05	0.5	N/A	ND	PASS
L	.ead	0.04 / 0.1	0.5	N/A	ND	PASS
Δ	Arsenic	0.02/0.1	1.5	N/A	ND	PASS
Ν	Nercury	0.002/0.01	3	N/A	ND	PASS



Heavy Metals Analysis

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

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



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A00000024 | DATE ISSUED 12/19/2020



Microbial Impurities Analysis

PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbial impurities.

Method: QSP 1221 - Analysis of Microbial Impurities

MICROBIAL IMPURITIES TEST RESULTS (PCR) - 12/17/2020 🔗 PASS

COMPOUND	ACTION LIMIT	RESULT	RESULT
Shiga toxin-producing Escherichia coli	Detect	ND	PASS
Salmonella spp.	Detect	ND	PASS
Aspergillus fumigatus	Detect	ND	PASS
Aspergillus flavus	Detect	ND	PASS
Aspergillus niger	Detect	ND	PASS
Aspergillus terreus	Detect	ND	PASS

MICROBIAL IMPURITIES TEST RESULTS (PLATING)

COMPOUND	RESULT (cfu/g)
Aerobic Plate Count	NT
Total Yeast and Mold	NT

Analysis conducted by 3M[™] Petrifilm[™] and plate counts of microbial impurities.

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



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