




Treaty - Calm 002

Sample ID: 1912ELB1105.3481
Strain: N/A
Matrix: Ingestible
Type: Tincture
Sample Size: 1 units; Batch:

Created: 12/23/2019
Collected: 12/23/2019
Received: 12/23/2019
Completed: 12/27/2019
Batch#:

Client
Hudson Hemp
Lic. #
67 Pinewood Rd.
Hudson, NY 12345

Cultivator/Manufacturer

	0.851 mg/mL	31.204 mg/mL	35.437 mg/mL
	Total THC	Total CBD	Total Cannabinoids
	Not Tested NT	NT	Not Tested
	Water Activity	Moisture	Foreign Matter

Safety

Batch Status: Complete

Complete Pesticides	Complete Microbials	Complete Mycotoxins	Complete Solvents	Complete Metals	Not Tested Foreign Matter
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Cannabinoids

Complete

Analyte	LOD	LOQ	Mass	Mass	Mass	Mass	Mass
	%	%	%	mg/g	mg/mL	mg/serving	mg/container
THCa	0.0030	0.0075	<LOQ	<LOQ	<LOQ	N/A	N/A
Δ9-THC	0.0021	0.0075	0.0895	0.895	0.851	0.851	23.151
Δ8-THC	0.0029	0.0075	<LOQ	<LOQ	<LOQ	N/A	N/A
THCVa	0.0023	0.0075	NR	NR	NR	N/A	N/A
THCV	0.0023	0.0075	NR	NR	NR	N/A	N/A
CBDa	0.0018	0.0075	<LOQ	<LOQ	<LOQ	N/A	N/A
CBD	0.0023	0.0075	3.2811	32.811	31.204	31.204	848.505
CBDV	0.0021	0.0075	0.0245	0.245	0.233	0.233	6.324
CBN	0.0029	0.0075	<LOQ	<LOQ	<LOQ	N/A	N/A
CBGa	0.0036	0.0075	<LOQ	<LOQ	<LOQ	N/A	N/A
CBG	0.0033	0.0075	0.0593	0.593	0.564	0.564	15.343
CBC	0.0026	0.0075	0.2719	2.719	2.586	2.586	70.307
Total THC			0.0895	0.895	0.851	0.851	23.151
Total CBD			3.2811	32.811	31.204	31.204	848.505
Total			3.7263	37.263	35.437	35.437	963.629

Moisture

Date Tested:

Equipment Used: Shimadzu MOC63U; EVIO SOPT.40.010. All LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 5730, pursuant to 16 CCR section 5726(e)(13).

Foreign Matter

Date Tested:

Equipment Used: Stereo Microscope SH-2B/T; EVIO SOPT.40.013

Water Activity

Date Tested:

Equipment Used: Rotronic HC2-AW; EVIO SOPT.40.011.CA. All LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 5730, pursuant to 16 CCR section 5726(e)(13).

1 Unit = One 27.19 g bottle, one mL tincture = 0.951g

Potency Date Tested: 12/24/2019

Total CBD = (CBDa x 0.877) + CBD, Total THC = (THCa x 0.877) + Δ9-THC

LOD = Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected; Cured plant material reported as moisture-corrected % dry weight, other sample types reported 'as is'. Analytical Instrumentation: Shimadzu Nexera HPLC. EVIO SOPT.30.050.CA, SOPT.40.023.CA. All LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 5730, pursuant to 16 CCR section 5726(e)(13).




David Egerton
Lab Director
12/27/2019

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Terpenes

Analyte	LOD %	LOQ %	Mass %	Mass mg/g
Limonene		0.08	0.10	1.0
α-Humulene		0.08	<LOQ	<LOQ
α-Phellandrene		0.08	ND	ND
α-Pinene		0.08	<LOQ	<LOQ
α-Terpinene		0.08	ND	ND
α-Terpineol		0.08	ND	ND
β-Caryophyllene		0.08	<LOQ	<LOQ
β-Myrcene		0.08	<LOQ	<LOQ
Borneol		0.08	ND	ND
Camphene		0.08	ND	ND
Camphor		0.08	<LOQ	<LOQ
Caryophyllene Oxide		0.08	ND	ND
Cedrol		0.08	ND	ND
cis-Nerolidol		0.08	ND	ND
cis-Ocimene		0.08	ND	ND
δ-3-Carene		0.08	ND	ND
Endo-Fenchyl Alcohol		0.08	ND	ND
Eucalyptol		0.08	<LOQ	<LOQ
Farnesene		0.08	ND	ND
Fenchone		0.08	ND	ND
γ-Terpinene		0.08	ND	ND
Geraniol		0.08	ND	ND
Geranyl Acetate		0.08	ND	ND
Isoborneol		0.08	ND	ND
Linalool		0.08	<LOQ	<LOQ
Menthol		0.08	ND	ND
Nerol		0.08	ND	ND
Nerolidol		0.08	ND	ND
(-) -β-Pinene		0.08	ND	ND
(-) -α-Bisabolol		0.08	<LOQ	<LOQ
(-) -Guaïol		0.08	<LOQ	<LOQ
(+) -Pulegone		0.08	ND	ND
Sabinene		0.08	ND	ND
Sabinene Hydrate		0.08	ND	ND
Terpinolene		0.08	ND	ND
trans-Ocimene		0.08	ND	ND
Total			0.10	1.0

Date Tested: 12/23/2019
Analytical Instrumentation: Agilent 7890B/MSD5977A GC/MS/FID EID: 0303 EVIO SOPT.40.091, SOPT.30.050.CA



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67 Pinewood Rd.

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Hudson, NY 12345

Pesticides

Complete

Analyte	LOD	LOQ	Limit	Mass	Status	Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	0.025	0.08		ND	Tested	Fludioxonil	0.025	0.075		ND	Tested
Acephate	0.025	0.075		ND	Tested	Hexythiazox	0.025	0.075		ND	Tested
Acequinocyl	0.025	0.075		ND	Tested	Imazalil	0.025	0.075		ND	Tested
Acetamiprid	0.025	0.075		ND	Tested	Imidacloprid	0.025	0.075		ND	Tested
Aldicarb	0.025	0.075		ND	Tested	Kresoxim Methyl	0.025	0.075		ND	Tested
Azoxystrobin	0.025	0.075		ND	Tested	Malathion	0.025	0.075		ND	Tested
Bifenazate	0.025	0.075		ND	Tested	Metalaxyl	0.025	0.075		ND	Tested
Bifenthrin	0.025	0.075		ND	Tested	Methiocarb	0.025	0.075		ND	Tested
Boscalid	0.025	0.075		ND	Tested	Methomyl	0.025	0.075		ND	Tested
Captan	0.035	0.116		ND	Tested	Methyl Parathion	0.025	0.075		ND	Tested
Carbaryl	0.025	0.075		ND	Tested	Mevinphos	0.025	0.075		ND	Tested
Carbofuran	0.025	0.075		ND	Tested	Myclobutanil	0.025	0.075		ND	Tested
Chlorantraniliprole	0.025	0.075		ND	Tested	Naled	0.025	0.075		ND	Tested
Chlordane	0.025	0.075		ND	Tested	Oxamyl	0.025	0.075		ND	Tested
Chlorfenapyr	0.025	0.075		ND	Tested	Pacllobutrazol	0.025	0.075		ND	Tested
Chlorpyrifos	0.025	0.075		ND	Tested	Pentachloronitrobenzene	0.025	0.075		ND	Tested
Clofentezine	0.025	0.075		ND	Tested	Permethrin	0.025	0.075		ND	Tested
Coumaphos	0.025	0.075		ND	Tested	Phosmet	0.025	0.075		ND	Tested
Cyfluthrin	0.064	0.21		ND	Tested	Piperonyl Butoxide	0.025	0.075		ND	Tested
Cypermethrin	0.025	0.075		ND	Tested	Prallethrin	0.025	0.075		ND	Tested
Daminozide	0.025	0.075		ND	Tested	Propiconazole	0.025	0.075		ND	Tested
Diazinon	0.025	0.075		ND	Tested	Propoxur	0.025	0.075		ND	Tested
Dichlorvos	0.025	0.075		ND	Tested	Pyrethrins	0.025	0.075		ND	Tested
Dimethoate	0.025	0.075		ND	Tested	Pyridaben	0.025	0.075		ND	Tested
Dimethomorph	0.025	0.075		ND	Tested	Spinetoram	0.025	0.075		ND	Tested
Ethoprophos	0.025	0.075		ND	Tested	Spinosad	0.025	0.075		ND	Tested
Etofenprox	0.025	0.075		ND	Tested	Spiromesifen	0.025	0.075		ND	Tested
Etozazole	0.025	0.075		ND	Tested	Spirotetramat	0.025	0.075		ND	Tested
Fenhexamid	0.025	0.075		ND	Tested	Spiroxamine	0.025	0.075		ND	Tested
Fenoxycarb	0.025	0.075		ND	Tested	Tebuconazole	0.025	0.075		ND	Tested
Fenpyroximate	0.025	0.075		ND	Tested	Thiacloprid	0.025	0.075		ND	Tested
Fipronil	0.025	0.075		ND	Tested	Thiamethoxam	0.025	0.075		ND	Tested
Fonicamid	0.025	0.075		ND	Tested	Trifloxystrobin	0.025	0.075		ND	Tested

Date Tested: 12/24/2019

LOD = Limit of Detection; LOQ = Limit of Quantitation; ND - Not Detected; The reported result is based on as-is sample mass, e.g., wet-weight; all LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 5730, pursuant to 16 CCR section 5726(e)(13). Analytical Instrumentation: Perkin Elmer QSight 420 LC-MS/MS; SOP.T.40.05.1.CA



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EVIO LABS

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Type: Tincture	Completed: 12/27/2019	67 Pinewood Rd.	
Sample Size: 1 units; Batch:	Batch#:	Hudson, NY 12345	

Residual Solvents

Complete

Analyte	LOD	LOQ	Limit	Concentration	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloro-Ethane	0.08	0.25		ND	Tested
Benzene	0.03	0.12		ND	Tested
Chloroform	0.11	0.37		ND	Tested
Ethylene Oxide	0.12	0.41		ND	Tested
Methylene-Chloride	0.66	0.75		ND	Tested
Trichloroethene	0.4	0.4		ND	Tested
Acetone	5.46	36		ND	Tested
Acetonitrile	0.41	1.37		<LOQ	Tested
Butane	41.96	230.4		ND	Tested
Ethanol	6.39	48		10474.01	Tested
Ethyl-Acetate	2.61	19.2		ND	Tested
Ethyl-Ether	3.19	10.51		ND	Tested
Heptane	2.99	24		ND	Tested
Hexanes	0.31	1.03		ND	Tested
Isopropanol	3.3	24		<LOQ	Tested
Methanol	2.76	9.12		ND	Tested
Pentane	6.29	36		ND	Tested
Propane	7.93	26.16		ND	Tested
Toluene	0.98	3.24		ND	Tested
Xylenes	1.04	1.04		ND	Tested



Date Tested: 12/24/2019
LOD=Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected; The reported result is based on nominal sample weight, and reported 'as is'; all LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 5730, pursuant to 16 CCR section 5726(e)(13). Analytical Instrumentation: Shimadzu QP2020 GCMS; EVIO SOPT.40.031.CA



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Microbials

Complete

Analyte	Result
Aspergillus	None Detected in 1g
Aspergillus flavus	None Detected in 1g
Aspergillus fumigatus	None Detected in 1g
Aspergillus niger	None Detected in 1g
Aspergillus terreus	None Detected in 1g
Shiga toxin-producing E. Coli	None Detected in 1g
Salmonella SPP	None Detected in 1g

Date Tested: 12/24/2019
NT = Not tested; all LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 5730, pursuant to 16 CCR section 5726(e)(13). Analytical Instrumentation: BIO-RAD QPCR CFX96; EVIO SOPT.40.043

Mycotoxins

Complete

Analyte	LOD	LOQ	Limit	Units	Status
	µg/kg	µg/kg	µg/kg	µg/kg	
Total Aflatoxins	4.4	14.6		ND	Tested
Ochratoxin A	4.5	14.8		ND	Tested

Date Tested: 12/24/2019
LOD - Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected; The reported result is based on a sample weight with the applicable moisture content for that sample; all LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 5730, pursuant to 16 CCR section 5726(e)(13). Analytical Instrumentation: Perkin Elmer QSight 420 LC-MS/MS; SOPT.40.051.CA

Heavy Metals

Complete

Analyte	LOD	LOQ	Limit	Units	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	0.029	0.088		ND	Tested
Cadmium	0.02	0.059		ND	Tested
Lead	0.016	0.047		ND	Tested
Mercury	0.023	0.07		ND	Tested

Date Tested: 12/26/2019
LOD = Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected; The reported result is based on sample weight, and reported 'as is'; all LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 5730, pursuant to 16 CCR section 5726(e)(13). Analytical Instrumentation: Shimadzu ICP/MS. EVIO SOPT.30.070.CA, SOPT.40.060.CA



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