



CERTIFICATE OF ANALYSIS

New York Hemp Oil

165 South Main St.
Cortland, NY 13045

(516) 587-0177
Lic. #: OCM-HMPE-21-00003

Sample: 220420TRI001.007

Sample Description: NYHO-073995P2
Batch#: 139628;

Sample Received: 04/19/2022; Report Created: 04/29/2022;

Pine #2 Seal# 1403061

Concentrates & Extracts, Other



	ND	ND	ND
	Total THC	Total CBD	
		ND	Total Cannabinoids
		Total CBG	

Cannabinoids

Date Analyzed: 04/22/2022

Complete

Analyte	LOD	LOQ	Result	Result
	%	%	%	mg/g
THCa	0.0002000	0.0006665	ND	ND
Δ9-THC	0.0002000	0.0006665	ND	ND
Δ8-THC	0.0002000	0.0006665	ND	ND
THCVa	0.0002000	0.0006665	ND	ND
THCV	0.0002000	0.0006665	ND	ND
CBDa	0.0002000	0.0006665	ND	ND
CBD	0.0002000	0.0006665	ND	ND
CBDVa	0.0002000	0.0006665	ND	ND
CBDV	0.0002000	0.0006665	ND	ND
CBN	0.0002000	0.0006665	ND	ND
CBGa	0.0002000	0.0006665	ND	ND
CBG	0.0002000	0.0006665	ND	ND
CBCa	0.0003883	0.001294	ND	ND
CBC	0.0002000	0.0006665	ND	ND
CBL	0.0002000	0.0006665	ND	ND
Total			0.000	0.000

SOP:102, AOAC 2018.11 (Modified); UHPLC-PDA. Total THC = THCa * 0.877 + Δ9-THC; Total CBD = CBDa * 0.877 + CBD; Total CBG = CBGa * 0.878 + CBG. Pass/Fail THC criteria, if listed, is in accordance with 86 FR 5596 issued by the USDA for pre-harvest hemp clearance (total THC - uncertainty ≤ 0.3% THC). Dry weight percent of cannabinoids, if listed, is calculated using the dried weight determined by the moisture content prior to extraction, indicated as follows.

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Lab Manager

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Technical Manager

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Pine #2 Seal# 1403061

Concentrates & Extracts, Other




Terpenes


Date Analyzed: 04/22/2022

Analytes	LOD	LOQ	Result	Result
	%	%	%	mg/g
β-Myrcene	0.0163	0.0543	33.5	335
Terpinolene	0.0163	0.0543	16.2	162
δ-Limonene	0.0163	0.0543	9.27	92.7
Ocimene	0.0163	0.0543	5.98	59.8
α-Pinene	0.0163	0.0543	3.30	33.0
β-Pinene	0.0163	0.0543	2.72	27.2
Caryophyllene	0.0163	0.0543	2.02	20.2
Linalool	0.0163	0.0543	1.12	11.2
α-Phellandrene	0.0163	0.0543	0.615	6.15
3-Carene	0.0163	0.0543	0.589	5.89
α-Terpinene	0.0163	0.0543	0.508	5.08
α-Humulene	0.0163	0.0543	0.429	4.29
Fenchyl Alcohol	0.0163	0.0543	0.361	3.61
γ-Terpinene	0.0163	0.0543	0.316	3.16
Terpineol	0.0153	0.0460	0.283	2.83
Camphene	0.0163	0.0543	0.220	2.20
Eucalyptol	0.0163	0.0543	0.0894	0.894
α-Bisabolol	0.0163	0.0543	<LOQ	<LOQ
α-Cedrene	0.0163	0.0543	ND	ND
Borneol	0.0326	0.109	ND	ND
Camphor	0.0489	0.163	ND	ND
Caryophyllene Oxide	0.0163	0.0543	ND	ND
Cedrol	0.0163	0.0543	ND	ND
Fenchone	0.0326	0.109	<LOQ	<LOQ
Geraniol	0.0163	0.0543	ND	ND
Geranyl Acetate	0.0163	0.0543	ND	ND
Guaiol	0.0163	0.0543	<LOQ	<LOQ
Isoborneol	0.0163	0.0543	ND	ND
Isopulegol	0.0163	0.0543	ND	ND
Menthol	0.0163	0.0543	ND	ND
Nerol	0.0163	0.0543	ND	ND
Nerolidol	0.0163	0.0543	ND	ND
Pulegone	0.0163	0.0543	ND	ND
Sabinene	0.0163	0.0543	ND	ND
Sabinene Hydrate	0.0163	0.0543	ND	ND
Valencene	0.0163	0.0543	ND	ND

Primary Aromas


Hops


Turpentine


Orange


Earthy



Pine

77.52%
Total Terpenes

SOP:202; HS-GC-MS.

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Batch#: 139628;

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Pine #2 Seal# 1403061

Concentrates & Extracts, Other



Microbials

Date Analyzed: 04/27/2022


Pass

Analytes	Limit	Result	Status
Total Aerobic Count	CFU/g 100000	CFU/g <100	Pass
Salmonella SPP	Detected in 1g	Not Detected	Pass
E. Coli (STEC)	Detected in 1g	Not Detected	Pass
Yeast & Mold	10000	<100	Pass

SOP.602, SOP.606, SOP.607; qPCR, SOP.604; Plating, and/or SOP.605; MPN. Aerobic Count, Enterobacteriaceae, & General E. coli pending addition to ISO 17025 Scope of Accreditation.

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Sample Description: NYHO-073995P2
Batch#: 139628;

Sample Received: 04/19/2022; Report Created: 04/29/2022;

Pine #2 Seal# 1403061

Concentrates & Extracts, Other



Mycotoxins

Date Analyzed: 04/28/2022

Pass

Analytes	LOD	LOQ	Limit	Result	Status
	µg/g	µg/g	µg/g	µg/g	
Aflatoxin B1	0.000919	0.00306		ND	Tested
Aflatoxin B2	0.000919	0.00306		ND	Tested
Aflatoxin G1	0.000919	0.00306		ND	Tested
Aflatoxin G2	0.000919	0.00306		ND	Tested
Total Aflatoxins			0.0200	ND	Pass
Ochratoxin A	0.00368	0.0123	0.0200	ND	Pass

SOP.402; LC-MS/MS.

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Pine #2 Seal# 1403061

Concentrates & Extracts, Other



Heavy Metals

Date Analyzed: 04/26/2022


Pass

Analytes	LOD	LOQ	Limit	Result	Status
	µg/g	µg/g	µg/g	µg/g	
Antimony	0.00805	0.0241		ND	Tested
Arsenic	0.00651	0.0482	1.50	<LOQ	Pass
Cadmium	0.000512	0.0241	0.500	ND	Pass
Chromium	0.0259	0.0722		ND	Tested
Copper	0.103	0.489		ND	Tested
Iron	0.516	2.41		ND	Tested
Lead	0.00609	0.0241	1.00	ND	Pass
Manganese	0.0155	0.489		ND	Tested
Mercury	0.00276	0.00722	1.50	ND	Pass
Nickel	0.0266	0.0722		ND	Tested
Selenium	0.0126	0.0963		ND	Tested
Zinc	0.0679	0.489		<LOQ	Tested

SOP 502; ICPMS.

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Pine #2 Seal# 1403061

Concentrates & Extracts, Other



Pesticides

Date Analyzed: 04/28/2022


Pass

Analytes	LOD	LOQ	Limit	Result	Status	Analytes	LOD	LOQ	Limit	Result	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	0.0115	0.0383	0.300	ND	Pass	Fludioxonil	0.0115	0.0383	3.00	ND	Pass
Acephate	0.0115	0.0383	3.00	ND	Pass	Hexythiazox	0.0115	0.0383	2.00	ND	Pass
Acequinocyl	0.0115	0.0383	2.00	ND	Pass	Imazalil	0.0115	0.0383	0.100	ND	Pass
Acetamiprid	0.0115	0.0383	3.00	ND	Pass	Imidacloprid	0.0115	0.0383	3.00	ND	Pass
Aldicarb	0.0115	0.0383	0.100	ND	Pass	Kresoxim Methyl	0.0115	0.0383	1.00	ND	Pass
Azoxystrobin	0.0115	0.0383	3.00	ND	Pass	Malathion	0.0115	0.0383	2.00	ND	Pass
Bifenazate	0.0115	0.0383	3.00	ND	Pass	Metalaxyl	0.0115	0.0383	3.00	ND	Pass
Bifenthrin	0.0115	0.0383	0.500	ND	Pass	Methiocarb	0.0115	0.0383	0.100	ND	Pass
Boscalid	0.0115	0.0383	3.00	ND	Pass	Methomyl	0.0115	0.0383	0.100	ND	Pass
Captan	0.0919	0.306	3.00	ND	Pass	Mevinphos	0.0115	0.0383	0.100	ND	Pass
Carbaryl	0.0115	0.0383	0.500	ND	Pass	MGK-264	0.0230	0.0766		ND	Tested
Carbofuran	0.0115	0.0383	0.100	ND	Pass	Myclobutanil	0.0115	0.0383	3.00	ND	Pass
Chlorantraniliprole	0.0115	0.0383	3.00	ND	Pass	Naled	0.0115	0.0383	0.500	ND	Pass
Chlordane	0.0115	0.0383	0.100	ND	Pass	Oxamyl	0.0115	0.0383	0.500	ND	Pass
Chlorfenapyr	0.0115	0.0383	0.100	ND	Pass	Paclobotrazol	0.0115	0.0383	0.100	ND	Pass
Chlormequat chloride	0.0115	0.0383	3.00	ND	Pass	Parathion Methyl	0.0115	0.0383	0.100	ND	Pass
Chlorpyrifos	0.0115	0.0383	0.100	ND	Pass	Pentachloronitrobenzene	0.0115	0.0383	0.200	ND	Pass
Clofentezine	0.0115	0.0383	0.500	ND	Pass	Permethrins	0.0230	0.0766	1.00	ND	Pass
Coumaphos	0.0115	0.0383	0.100	ND	Pass	Phosmet	0.0115	0.0383	0.200	ND	Pass
Cyfluthrin	0.0460	0.153	1.00	ND	Pass	Piperonyl Butoxide	0.0115	0.0383	3.00	ND	Pass
Cypermethrin	0.0230	0.0766	1.00	ND	Pass	Prallethrin	0.0460	0.0383	0.400	ND	Pass
Daminozide	0.0115	0.0383	0.100	ND	Pass	Propiconazole	0.0115	0.0383	1.00	ND	Pass
Diazinon	0.0115	0.0383	0.200	ND	Pass	Propoxur	0.0115	0.0383	0.100	ND	Pass
Dichlorvos	0.0115	0.0383	0.100	ND	Pass	Pyrethrins	0.0460	0.153	1.00	ND	Pass
Dimethoate	0.0115	0.0383	0.100	ND	Pass	Pyridaben	0.0115	0.0383	3.00	ND	Pass
Dimethomorph	0.0115	0.0383	3.00	ND	Pass	Spinetoram	0.0115	0.0383	3.00	ND	Pass
Ethoprophos	0.0115	0.0383	0.100	ND	Pass	Spinosad	0.0115	0.0383	3.00	ND	Pass
Etofenprox	0.0115	0.0383	0.100	ND	Pass	Spiromesifen	0.0115	0.0383	3.00	ND	Pass
Etoazole	0.0115	0.0383	1.50	ND	Pass	Spirotetramat	0.0115	0.0383	3.00	ND	Pass
Fenhexamid	0.0115	0.0383	3.00	ND	Pass	Spiroxamine	0.0115	0.0383	0.100	ND	Pass
Fenoxycarb	0.0115	0.0383	0.100	ND	Pass	Tebuconazole	0.0115	0.0383	1.00	ND	Pass
Fenpyroximate	0.0115	0.0383	0.100	ND	Pass	Thiacloprid	0.0115	0.0383	0.100	ND	Pass
Fipronil	0.0115	0.0383	0.100	ND	Pass	Thiamethoxam	0.0115	0.0383	1.00	ND	Pass
Fonicamid	0.0115	0.0383	2.00	ND	Pass	Trifloxystrobin	0.0115	0.0383	3.00	ND	Pass

SOP.402; LC-MS/MS & SOP.302; GC-MS

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Pine #2 Seal# 1403061

Concentrates & Extracts, Other



Residual Solvents

Date Analyzed: 04/28/2022

Pass

Analytes	LOD	LOQ	Limit	Result	Status
	µg/g	µg/g	µg/g	µg/g	
1,1- Dichloroethene	0.0383	0.115	8.00	ND	Pass
1,2-Dichloroethane	0.153	0.460	5.00	ND	Pass
Acetone	15.3	46.0	5000	209	Pass
Acetonitrile	15.3	46.0	410	ND	Pass
Benzene	0.0383	0.115	2.00	ND	Pass
Butane	15.3	46.0	2000	ND	Pass
Chloroform	0.0383	0.115	60.0	ND	Pass
Ethanol	15.3	46.0	5000	ND	Pass
Ethyl acetate	15.3	46.0	5000	ND	Pass
Ethyl ether	15.3	46.0	5000	ND	Pass
Ethylene oxide	0.153	0.460	5.00	ND	Pass
Heptane	15.3	46.0	5000	ND	Pass
Isopropyl alcohol	15.3	46.0	5000	ND	Pass
Methanol	15.3	46.0	3000	<LOQ	Pass
Methylene chloride	0.0766	0.230	600	ND	Pass
n-Hexane	7.66	23.0	290	<LOQ	Pass
Pentane	3.83	11.5	5000	ND	Pass
Propane	7.66	23.0	5000	ND	Pass
Toluene	7.66	23.0	890	<LOQ	Pass
Trichloroethylene	0.0383	0.115	80.0	ND	Pass
Xylenes	7.66	23.0	2170	ND	Pass

SOP.204; HS-GC-MS.

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