Phyto-farma Labs
49 John Hicks Drive
Warwick, NY 10990
Permit#: OCM-CPL-2022-00004
Phone: 845-988-0937

Compliance

Certificate Of Analysis

Client Name: NYHO Labs LLC

Contact Name: Michael Stoker

Address: 185 Main St
Cortland, NY 13045

Phone: 607-821-1182

License Number: OCM-AUCP-22-000003

Sample Description: Dutch Hawaiian Infused Prerolls 0.5g 5pk

Lot Number: WF00138

Regulatory Category: Adult Use

Sample Matrix: Extracted

Delivery Method: Inhalation

Sample Type: Flower

Sample Subtype: infused preroll

Sampling Site: 185 Main St Cortland, NY 13045

Sampling Date and Time: 02/20/2024 02:45 PM

Results Summary

Cannabinoids Profile	
Terpenes	
Trace Metals	PASS
Mycotoxins	PASS
Pesticides LC	PASS
Pesticides GC	PASS
Residual Solvents	PASS
Microbial Impurities (MDG for STEC, Salmonella, Asp sp.)	PASS
Microbial Impurities (Total Aerobic Bacteria/CDP-TC)	PASS
Microbial Impurities (Total Yeast and Mold/CDP-YMR)	PASS
Moisture Content	PASS
Water Activity	PASS

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Cannabinoids Profile

Date analyzed: 02/26/2024 **Method:** NY.SOP.T.40.260 **Analyst:** Stephanie Knapp

Date started: 02/21/2024 12:03 PM

Analyte	Result (%w/w)	LOQ (µg/mL)	Result (mg/serving)
Cannabichromene (CBC)	<LOQ	0.5	<LOQ
Cannabidiol (CBD)	<LOQ	0.5	<LOQ
Cannabidivarin (CBDV)	<LOQ	0.5	<LOQ
Cannabigerol (CBG)	0.21	0.5	1.06
Cannabigerolic acid (CBGA)	0.61	0.5	3.06
Cannabinadiolic acid (CBDA)	<LOQ	0.5	<LOQ
Cannabinol (CBN)	<LOQ	0.5	<LOQ
Tetrahydrocannabinolic acid (THCA)	50.91	0.5	254.53
Tetrahydrocannabivarin (THCV)	<LOQ	0.5	<LOQ
Tetrahydrocannabivarinic Acid (THCVA)	0.36	0.5	1.8
Δ10-THC-RR	<LOQ	0.5	<LOQ
Δ10-THC-RS	<LOQ	0.5	<LOQ
Δ8-THC	<LOQ	0.5	<LOQ
Δ9-THC	7.5	0.5	37.51
Total Active Cannabidiol (CBD)	<LOQ	-	<LOQ
Total Active Cannabigerol (CBG)	0.75	-	3.75
Total Active Tetrahydrocannabinol (THC)	52.15	-	260.73
Total Active Tetrahydrocannabivarin (THCV)	0.31	-	1.56
Total Active Cannabinoids	53.21	-	266.04

Note: Total Active CBD = CBD + (0.877 x CBDA); Total Active CBG = CBG + (0.878 x CBGA); Total Active THC = (Δ9THC + Δ8THC + Δ10THC-RS + Δ10THC-RR) + (0.877 x THCA); Total Active THCV = THCV + (0.867 x THCVA)

Analyzed by HPLC

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Terpenes

Date analyzed: 02/26/2024 **Method:** NY.SOP.T.40.090 **Analyst:** Lucia Orellana

Date started: 02/21/2024 01:22 PM

Analyte	Result (%w/w)	LOQ
3-Carene	<LOQ	0.02
alpha-Bisabolol	0.07	0.02
alpha-Humulene	0.09	0.03
alpha-Phellandrene	<LOQ	0.03
alpha-Pinene	0.02	0.02
alpha-Terpinene	<LOQ	0.01
alpha-Terpineol	0.03	0.02
beta-Myrcene	0.13	0.03
beta-Pinene	<LOQ	0.03
Borneol	<LOQ	0.02
Camphene	<LOQ	0.02
Camphor	<LOQ	0.02
Caryophyllene oxide	<LOQ	0.03
Cedrene	<LOQ	0.02
Cedrol	<LOQ	0.03
cis-Nerolidol	0.04	0.03
cis-Ocimene	<LOQ	0.03
Eucalyptol	<LOQ	0.04
Farnesene	<LOQ	0.04
Fenchol	<LOQ	0.02
Fenchone	<LOQ	0.03
gamma-Terpinene	<LOQ	0.02
gamma-Terpineol	<LOQ	0.02
Geraniol	<LOQ	0.02
Geranyl Acetate	<LOQ	0.03

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Guaiol	0.06	0.03
Isoborneol	<LOQ	0.02
Isopulegol	<LOQ	0.03
Limonene	0.06	0.04
Linalool	0.06	0.02
Menthol	<LOQ	0.02
Nerol	<LOQ	0.03
Pulegone	<LOQ	0.03
Sabinene	0.02	0.02
Sabinene Hydrate	<LOQ	0.02
Terpinolene	<LOQ	0.02
trans-b-Ocimene	<LOQ	0.02
trans-Caryophyllene	0.34	0.03
trans-Nerolidol	0.04	0.04
Valencene	<LOQ	0.03
TOTAL (%)	0.96	Overall Status (Pass/Fail)
Limit (%)	10	**PASS**

Analyzed by GCMS

V151.12

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Trace Metals — PASS

Date analyzed: 02/27/2024 **Method:** NY.SOP.T.40.050 **Analyst:** Moni Kaneti

Date started: 02/23/2024 02:19 PM

Analyte	Result (µg/g)	LOQ	Allowable Limit	Pass/Fail
Antimony (Sb)	<LOQ	0.13	2	PASS
Arsenic (As)	<LOQ	0.07	0.2	PASS
Cadmium (Cd)	<LOQ	0.06	0.3	PASS
Chromium (Cr)	<LOQ	0.36	110	PASS
Copper (Cu)	8.929	0.39	30	PASS
Lead (Pb)	<LOQ	0.08	0.5	PASS
Mercury (Hg)	0.013	0.01	0.1	PASS
Nickel (Ni)	0.376	0.11	2	PASS
			Overall Status	PASS

Analyzed by ICP-MS

V114.36

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Mycotoxins PASS

Date analyzed: 02/26/2024 **Method:** NY.SOP.T.40.180 **Analyst:** Lucia Orellana

Date started: 02/21/2024 01:46 PM

Analyte	Result (µg/g)	LOQ (µg/g)	Allowable Limit	Pass/Fail
Aflatoxin B1	<LOQ	0.001	0.02	PASS
Aflatoxin B2	<LOQ	0.002	0.02	PASS
Aflatoxin G1	<LOQ	0.001	0.02	PASS
Aflatoxin G2	0.002	0.002	0.02	PASS
Sum of Aflatoxins	0.002	-	0.02	PASS
Ochratoxin A	<LOQ	0.002	0.02	PASS
			Overall Status	PASS

Analysis Instrument *30 LC-MS TQ*

V141.7

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Pesticides LC — PASS

Date analyzed: 02/26/2024 **Method:** NY.SOP.T.040.270 **Analyst:** Stephanie Knapp

Date started: 02/21/2024 01:53 PM

Analyte	Result (µg/g)	LOQ	Allowable Limit	Pass/Fail
Abamectin	<LOQ	0.02	0.5	PASS
Acephate	<LOQ	0.01	0.4	PASS
Acequinocyl	<LOQ	0.02	2	PASS
Acetamiprid	<LOQ	0.01	0.2	PASS
Aldicarb	<LOQ	0.01	0.4	PASS
Azadirachtin	<LOQ	0.02	1	PASS
Azoxystrobin	<LOQ	0.01	0.2	PASS
Bifenazate	<LOQ	0.01	0.2	PASS
Bifenthrin	<LOQ	0	0.2	PASS
Boscalid	<LOQ	0.01	0.4	PASS
Carbaryl	<LOQ	0.01	0.2	PASS
Carbofuran	<LOQ	0.01	0.2	PASS
Chlorantraniliprole	<LOQ	0.01	0.2	PASS
Chlormequat chloride	<LOQ	0.02	1	PASS
Chlorpyrifos	<LOQ	0.01	0.2	PASS
Clofentezine	<LOQ	0.01	0.2	PASS
Daminozide	<LOQ	0	1	PASS
Diazinon	<LOQ	0.01	0.2	PASS
Dichlorvos	<LOQ	0.01	1	PASS
Dimethoate	<LOQ	0.01	0.2	PASS
Dimethomorph	<LOQ	0.01	1	PASS
Ethoprophos	<LOQ	0.01	0.2	PASS
Etofenprox	<LOQ	0	0.4	PASS
Etoxazole	<LOQ	0.01	0.2	PASS
Fenhexamid	<LOQ	0.01	1	PASS

Phyto-Farma Labs
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Fenoxycarb	<LOQ	0.01	0.2	PASS
Fenpyroximate	<LOQ	0	0.4	PASS
Flonicamid	<LOQ	0.01	1	PASS
Fludioxonil	<LOQ	0.02	0.4	PASS
Hexythiazox	<LOQ	0	1	PASS
Imidacloprid	<LOQ	0.01	0.4	PASS
Indole-3-butyric acid	<LOQ	0.01	1	PASS
Kresoxim methyl	<LOQ	0.01	0.4	PASS
Malathion	<LOQ	0.01	0.2	PASS
Metalaxyl	<LOQ	0.01	0.2	PASS
Methiocarb	<LOQ	0	0.2	PASS
Methomyl	<LOQ	0.01	0.4	PASS
Mevinphos	<LOQ	0.02	1	PASS
MGK-264	<LOQ	0.01	0.2	PASS
Myclobutanil	<LOQ	0.01	0.2	PASS
Naled	<LOQ	0	0.5	PASS
Oxamyl	<LOQ	0.01	1	PASS
Paclobutrazol	<LOQ	0.01	0.4	PASS
Permethrins, Total	<LOQ	0.01	0.2	PASS
Phosmet	<LOQ	0.01	0.2	PASS
Piperonyl Butoxide	<LOQ	0.01	2	PASS
Prallethrin	<LOQ	0.01	0.2	PASS
Propiconazole	<LOQ	0.01	0.4	PASS
Propoxur	<LOQ	0.01	0.2	PASS
Pyrethrins	<LOQ	0.01	1	PASS
Pyridaben	<LOQ	0.01	0.2	PASS
Spinetoram, Total	<LOQ	0	1	PASS
Spinosad, Total	<LOQ	0.01	0.2	PASS
Spiromesifen	<LOQ	0.01	0.2	PASS
Spirotetramat	<LOQ	0.01	0.2	PASS
Spiroxamine	<LOQ	0	0.2	PASS

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Tebuconazole	<LOQ	0.01	0.4	PASS
Thiacloprid	<LOQ	0.01	0.2	PASS
Thiamethoxam	<LOQ	0.01	0.2	PASS
			Overall Status	PASS

Analysis Instrument *30 Agilent LS-MS TQ*

V144.10

Pesticides GC PASS

Date analyzed: 02/23/2024 **Method:** NYS.SOP.T.040.271 **Analyst:** Destiny Ribadeneyra

Date started: 02/22/2024 03:06 PM

Analyte	Result (µg/g)	LOQ (µg/g)	Allowable Limit	Pass/Fail
Captan	<LOQ	0.3	1	PASS
Chlordane	<LOQ	0.07	1	PASS
Chlorfenapyr	<LOQ	0.1	1	PASS
Coumaphos	<LOQ	0.19	1	PASS
Cyfluthrin	<LOQ	0.11	1	PASS
Cypermethrin	<LOQ	0.24	1	PASS
Fipronil	<LOQ	0.17	0.4	PASS
Imazalil	<LOQ	0.17	0.2	PASS
Methyl parathion	<LOQ	0.09	0.2	PASS
Pentachloronitrobenzene	<LOQ	0.17	1	PASS
Trifloxystrobin	<LOQ	0.11	0.2	PASS
			Overall Status	PASS

Analysis Instrument *141 GC/TQ*

V177.8

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Compliance

Certificate Of Analysis

Residual Solvents — PASS

Date analyzed: 02/23/2024 **Method:** NYS.SOP.T.040.272 **Analyst:** Destiny Ribadeneyra

Date started: 02/21/2024 02:05 PM

Analyte	Result (µg/g)	LOQ	Allowable Limit	Pass/Fail
1,2-Dichloroethane (Ethylene dichloride, Ethylene chloride)	<LOQ	0.67	5	PASS
2-Propanol (Isopropanol, Isopropyl alcohol)	<LOQ	21.68	5000	PASS
Acetone (2-Propanone)	<LOQ	15.9	5000	PASS
Acetonitrile	<LOQ	0.85	410	PASS
Benzene	<LOQ	0.71	2	PASS
Butanes, Total	<LOQ	0.35	5000	PASS
Chloroform	<LOQ	0.54	60	PASS
Dichloromethane (Methylene chloride)	<LOQ	1.07	600	PASS
Dimethyl sulfoxide (DMSO)	<LOQ	0.66	5000	PASS
Ethanol (Ethyl alcohol)	<LOQ	10.02	5000	PASS
Ethyl acetate (Acetic acid ethyl ester)	<LOQ	18.45	5000	PASS
Ethyl ether (Diethyl ether, 1,1'-Oxybisethane)	<LOQ	0.44	5000	PASS
Heptane (n-Heptane)	<LOQ	0.36	5000	PASS
Hexanes, Total	<LOQ	0.39	290	PASS
Methanol (Methyl alcohol)	<LOQ	2.47	3000	PASS
Pentanes, Total	<LOQ	0.37	5000	PASS
Propane	<LOQ	0.53	5000	PASS
Toluene (Methylbenzene)	<LOQ	2.34	890	PASS
Trichloroethane (1,1,1-)	<LOQ	0.41	1500	PASS
Xylenes, Total (ortho-, meta-, para-)	<LOQ	2.65	2170	PASS
			Overall Status	PASS

Analyzed by GCMS

V148.12

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Certificate Of Analysis

Microbial Impurities (MDG for STEC, Salmonella, Asp sp.) PASS

Date analyzed: 02/27/2024 **Method:** NYS.SOP.T.40.273 **Analyst:** Kristy Lee

Date started: 02/22/2024 01:40 PM

Microbial Species	Microbial Type	Detection Status	Pass/Fail
Shiga toxin-producing Escherichia coli	Bacteria	Not Detected	PASS
Salmonella species	Bacteria	Not Detected	PASS
Aspergillus flavus	Fungal	Not Detected	PASS
Aspergillus niger	Fungal	Not Detected	PASS
Aspergillus terreus	Fungal	Not Detected	PASS
Aspergillus fumigatus	Fungal	Not Detected	PASS
		Overall Status	PASS

Analysis Instrument 125 Agilent AriaMx Real-time PCR System

V182.3

Microbial Impurities (Total Aerobic Bacteria/CDP-TC) PASS

Date analyzed: 02/26/2024 **Method:** NYS.SOP.T.040.200 **Analyst:** Kristy Lee

Date started: 02/23/2024 11:18 AM

Result (CFU/g)	LOQ	Allowable Limit	Pass/Fail
10000	5	N/A	PASS

Analysis Instrument *87 Colony Counter*

V149.8

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Microbial Impurities (Total Yeast and Mold/CDP-YMR) PASS

Date analyzed: 02/26/2024 **Method:** NYS.SOP.T.040.200 **Analyst:** Kristy Lee

Date started: 02/21/2024 11:03 AM

Microbial Species	Result (cfu/g)	LOQ	Allowable Limit	Pass/Fail
Mold Count	90000	5	N/A	PASS
Yeast Count	*<LOQ*	5	N/A	PASS
Total Yeast and Mold	*90000*		N/A	PASS
			Overall Status	PASS

Analysis Instrument *87 Colony Counter*

V150.10

Moisture Content PASS

Date analyzed: 02/23/2024 **Method:** NY.SOP.T.040.220 **Analyst:** Destiny Ribadeneyra

Date started: 02/22/2024 04:26 PM

Result (%)	LOQ	Allowable Limit	Pass/Fail
10.9	0.0	5.0 - 15.0	PASS

Analysis Instrument *4 Moisture Balance*

V140.31

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Water Activity — PASS

Date analyzed: 02/21/2024 **Method:** NY.SOP.T.040.210 **Analyst:** Destiny Ribadeneyra

Date started: 02/21/2024 12:52 PM

Result (Aw)	LOQ	Allowable Limit	Pass/Fail
<LOQ	0.25	N/A	PASS

Analyzed by Water Activity Meter

V131.63

Sample Comment: N/A

Kyle Rappaport
Quality Director
02/27/2024