



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

Compliance

Certificate Of Analysis

Results Summary

Cannabinoids Profile	
Terpenes	
Trace Metals	PASS
Mycotoxins	PASS
Pesticides LC	PASS
Pesticides GC	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
Filth and Foreign Material	PASS
Moisture Content	PASS
Water Activity	PASS

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: Mule Fuel whole flower 7g

Lot Number: WF00154

Regulatory Category: Adult Use

Sample Matrix: Un-Extracted

Delivery Method: Inhalation

Sample Type: Flower

Sample Subtype: Whole Flower

Sampling Site: 185 Main St Cortland, NY 13045

Sampling Date and Time: 03/05/2024 11:18 AM

Certificate Of Analysis

Cannabinoids Profile

Date analyzed: 03/11/2024

Method: NY.SOP.T.40.260

Analyst: Stephanie Knapp

Date started: 03/06/2024 03:24 PM

Analyte	Result (%w/w)	LOQ (µg/mL)	Result (mg/serving)
Cannabichromene (CBC)	<LOQ	0.5	<LOQ
Cannabidiol (CBD)	0.06	0.5	0.55
Cannabidivarin (CBDV)	<LOQ	0.5	<LOQ
Cannabigerol (CBG)	0.14	0.5	1.41
Cannabigerolic acid (CBGA)	1.29	0.5	12.9
Cannabinadiolic acid (CBDA)	0.17	0.5	1.66
Cannabinol (CBN)	<LOQ	0.5	<LOQ
Tetrahydrocannabinolic acid (THCA)	31	0.5	310.01
Tetrahydrocannabivarin (THCV)	<LOQ	0.5	<LOQ
Tetrahydrocannabivarinic Acid (THCVA)	0.9	0.5	9
Δ10-THC-RR	<LOQ	0.5	<LOQ
Δ10-THC-RS	<LOQ	0.5	<LOQ
Δ8-THC	<LOQ	0.5	<LOQ
Δ9-THC	0.35	0.5	3.5
Total Active Cannabidiol (CBD)	0.21	-	2.01
Total Active Cannabigerol (CBG)	1.27	-	12.74
Total Active Tetrahydrocannabinol (THC)	27.54	-	275.38
Total Active Tetrahydrocannabivarin (THCV)	0.78	-	7.8
Total Active Cannabinoids	29.8	-	297.93

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

Certificate Of Analysis

Terpenes

Date analyzed: 03/11/2024

Method: NY.SOP.T.40.090

Analyst: Stephanie Knapp

Date started: 03/08/2024 02:52 PM

Analyte	Result (%w/w)	LOQ
3-Carene	<LOQ	0.02
alpha-Bisabolol	0.11	0.02
alpha-Humulene	0.26	0.03
alpha-Phellandrene	<LOQ	0.03
alpha-Pinene	0.07	0.02
alpha-Terpinene	<LOQ	0.01
alpha-Terpineol	0.04	0.02
beta-Myrcene	0.29	0.03
beta-Pinene	0.08	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	0.05	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	<LOQ	0.03
Isoborneol	<LOQ	0.02
Isopulegol	<LOQ	0.03
Limonene	0.5	0.04
Linalool	0.05	0.02
Menthol	<LOQ	0.02
Nerol	<LOQ	0.03
Pulegone	<LOQ	0.03
Sabinene	0.08	0.02
Sabinene Hydrate	<LOQ	0.02
Terpinolene	<LOQ	0.02
trans-b-Ocimene	<LOQ	0.02
trans-Caryophyllene	1.07	0.03
trans-Nerolidol	0.05	0.04
Valencene	0.04	0.03
TOTAL (%)	2.73	Overall Status (PASS/FAIL)
Inhalable Limit (%)	10	PASS

Analyzed by GCMS

V151.15



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Trace Metals

PASS

Date analyzed: 03/11/2024

Method: NY.SOP.T.40.050

Analyst: Moni Kaneti

Date started: 03/08/2024 04:21 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)	16.803	0.39	30	PASS
Lead (Pb)	<LOQ	0.08	0.5	PASS
Mercury (Hg)	<LOQ	0.01	0.1	PASS
Nickel (Ni)	0.391	0.11	5	PASS
Overall Status				PASS

Analyzed by ICP-MS

V114.36



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Mycotoxins

PASS

Date analyzed: 03/11/2024

Method: NY.SOP.T.40.180

Analyst: Destiny Ribadeneyra

Date started: 03/11/2024 07:52 AM

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	<LOQ	0.002	0.02	PASS
Sum of Aflatoxins	0	-	0.02	PASS
Ochratoxin A	<LOQ	0.002	0.02	PASS
			Overall Status	PASS

Analysis Instrument 30 LC-MS TQ

V141.7

This is a Phyto-farma certification that relates only to the material tested and shall not be reproduced, unless in its entirety, without written approval from Phyto-farma. Test results are confidential, unless explicitly waived. All Pass/Fail results please reference state regulations released on 04.JAN.2023. Pass/Fail results do not use uncertainty, but is available upon request. The product represented has been tested by Phyto-farma Labs using validated scientific methodologies. Note action levels are state determined thresholds for human safety and consumption. Acronym Definitions: ND - Not Detected, LOQ - Limit of Quantification, ULOQ - Upper Limit of Quantification; are terms used to describe the reliably measured smallest and largest concentrations. <LOQ* denotes the result is above detection limit, but below quantifiable limit. CFU - Colony Forming Units. Cannabis Product Sampling SOP# SOP.T.20.010.

Certificate Of Analysis

Pesticides LC

PASS

Date analyzed: 03/08/2024

Method: NY.SOP.T.040.270

Analyst: Stephanie Knapp

Date started: 03/08/2024 09:05 AM

Analyte	Result (µg/g)	LOQ	Allowable Limit	Pass/Fail
Abamectin	<LOQ	0.018	0.5	PASS
Acephate	<LOQ	0.007	0.4	PASS
Acequinocyl	<LOQ	0.016	2	PASS
Acetamiprid	<LOQ	0.005	0.2	PASS
Aldicarb	<LOQ	0.005	0.4	PASS
Azadirachtin	<LOQ	0.022	1	PASS
Azoxystrobin	<LOQ	0.006	0.2	PASS
Bifenazate	<LOQ	0.006	0.2	PASS
Bifenthrin	<LOQ	0.003	0.2	PASS
Boscalid	<LOQ	0.011	0.4	PASS
Carbaryl	<LOQ	0.006	0.2	PASS
Carbofuran	<LOQ	0.005	0.2	PASS
Chlorantraniliprole	<LOQ	0.006	0.2	PASS
Chlormequat chloride	<LOQ	0.019	1	PASS
Chlorpyrifos	<LOQ	0.009	0.2	PASS
Clofentezine	<LOQ	0.01	0.2	PASS
Daminozide	<LOQ	0.004	1	PASS
Diazinon	<LOQ	0.007	0.2	PASS
Dichlorvos	<LOQ	0.012	1	PASS
Dimethoate	<LOQ	0.006	0.2	PASS
Dimethomorph	<LOQ	0.005	1	PASS
Ethoprophos	<LOQ	0.013	0.2	PASS
Etofenprox	<LOQ	0.003	0.4	PASS
Etoazole	<LOQ	0.005	0.2	PASS
Fenhexamid	<LOQ	0.015	1	PASS

Certificate Of Analysis

Fenoxycarb	<LOQ	0.011	0.2	PASS
Fenpyroximate	<LOQ	0.002	0.4	PASS
Flonicamid	<LOQ	0.007	1	PASS
Fludioxonil	<LOQ	0.017	0.4	PASS
Hexythiazox	<LOQ	0.005	1	PASS
Imidacloprid	<LOQ	0.008	0.4	PASS
Indole-3-butyric acid	<LOQ	0.007	1	PASS
Kresoxim methyl	<LOQ	0.012	0.4	PASS
Malathion	<LOQ	0.011	0.2	PASS
Metalaxyl	<LOQ	0.012	0.2	PASS
Methiocarb	<LOQ	0.004	0.2	PASS
Methomyl	<LOQ	0.012	0.4	PASS
Mevinphos	<LOQ	0.019	1	PASS
MGK-264	<LOQ	0.011	0.2	PASS
Myclobutanil	<LOQ	0.013	0.2	PASS
Naled	<LOQ	0.005	0.5	PASS
Oxamyl	<LOQ	0.008	1	PASS
Paclobutrazol	<LOQ	0.015	0.4	PASS
Permethrins, Total	<LOQ	0.009	0.2	PASS
Phosmet	<LOQ	0.007	0.2	PASS
Piperonyl Butoxide	<LOQ	0.006	2	PASS
Prallethrin	<LOQ	0.008	0.2	PASS
Propiconazole	<LOQ	0.006	0.4	PASS
Propoxur	<LOQ	0.008	0.2	PASS
Pyrethrins	<LOQ	0.014	1	PASS
Pyridaben	<LOQ	0.006	0.2	PASS
Spinetoram, Total	<LOQ	0.005	1	PASS
Spinosad, Total	<LOQ	0.006	0.2	PASS
Spiromesifen	<LOQ	0.013	0.2	PASS
Spirotetramat	<LOQ	0.006	0.2	PASS
Spiroxamine	<LOQ	0.004	0.2	PASS



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Tebuconazole	<LOQ	0.012	0.4	PASS
Thiacloprid	<LOQ	0.008	0.2	PASS
Thiamethoxam	<LOQ	0.008	0.2	PASS
Overall Status				PASS

Analysis Instrument 30 Agilent LS-MS TQ

V144.12

Pesticides GC

PASS

Date analyzed: 03/11/2024 **Method:** NYS.SOP.T.040.271 **Analyst:** Destiny Ribadeneyra

Date started: 03/06/2024 03:40 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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Microbial Impurities (MDG for STEC, Salmonella, Asp sp.)

PASS

Date analyzed: 03/08/2024

Method: NYS.SOP.T.40.273

Analyst: Kristy Lee

Date started: 03/07/2024 04:28 PM

Microbial Species	Microbial Type	Detection Status	Pass/Fail
Shiga toxin-producing Escherichia coli	Bacterial	Not Detected	PASS
Salmonella species	Bacterial	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 PCR

Microbial Impurities (Total Aerobic Bacteria/CDP-TC)

PASS

Date analyzed: 03/08/2024

Method: NYS.SOP.T.040.200

Analyst: Kristy Lee

Date started: 03/08/2024 10:34 AM

Result (CFU/g)	LOQ	Allowable Limit	Pass/Fail
3500000	5	N/A	PASS

Analysis Instrument

87 Colony Counter

V149.8



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Certificate Of Analysis

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

PASS

Date analyzed: 03/11/2024

Method: NYS.SOP.T.040.200

Analyst: Kristy Lee

Date started: 03/11/2024 04:41 PM

Microbial Species	Result (cfu/g)	LOQ	Allowable Limit	Pass/Fail
Mold Count	140000	5	N/A	PASS
Yeast Count	280000	5	N/A	PASS
Total Yeast and Mold	420000	5	N/A	PASS
			Overall Status	PASS
<i>Analysis Instrument</i>	<i>87 Colony Counter</i>			

V150.11

Filth and Foreign Material

PASS

Date analyzed: 03/06/2024

Method: NYS.SOP.T.040.250

Analyst: Kristy Lee

Date started: 03/06/2024 08:59 AM

Analyte	Result	LOQ	Allowable Limit	Pass/Fail
Mammalian excreta (mg/lb)	0	0	1	PASS
Stems >3mm in diameter (%)	0	0	5	PASS
Other Foreign Material (%)	0	0	2	PASS
			Overall Status	PASS

V142.8



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Moisture Content

PASS

Date analyzed: 03/08/2024

Method: NY.SOP.T.040.220

Analyst: Moni Kaneti

Date started: 03/07/2024 03:30 PM

Result (%)	LOQ	Allowable Limit	Pass/Fail
13	0.0	5.0 - 15.0	PASS

Analysis Instrument

V140.31

Water Activity

PASS

Date analyzed: 03/06/2024

Method: NY.SOP.T.040.210

Analyst: Kristy Lee

Date started: 03/05/2024 02:37 PM

Result (Aw)	LOQ	Allowable Limit	Pass/Fail
0.45	0.25	0.65	PASS

Analyzed by Water Activity Meter

V131.65

Sample Comment: N/A

Alicia Caruso-Thomas

Alicia Caruso-Thomas
 Laboratory Director
 03/11/2024