



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 |
| 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 |

Client Name: NYHO Labs LLC
Contact Name: Michael Stoker
Address: 37 Huntington Street
 Cortland, NY 13045
Phone: 607-821-1182
License Number: OCM-AUCP-22-000003

Sample Description: Dutch Hawaiian infused prerolls
 0.5g 5pk

Lot Number: WF00158

Regulatory Category: Adult Use

Sample Matrix: Un-Extracted

Delivery Method: Inhalation

Sample Type: Concentrate

Sample Subtype: infused preroll

Sampling Site: 185 Main Cortland, NY 13045

Sampling Date and Time: 03/14/2024 12:52 PM

Certificate Of Analysis

Cannabinoids Profile

Date analyzed: 03/19/2024

Method: NY.SOP.T.40.260

Analyst: Stephanie Knapp

Date started: 03/15/2024 01:47 PM

| Analyte | Result (%w/w) | LOQ (µg/mL) | Result (mg/serving) |
|--|---------------|-------------|---------------------|
| Cannabichromene (CBC) | <LOQ | 0.5 | <LOQ |
| Cannabidiol (CBD) | 0.04 | 0.5 | 0.36 |
| Cannabidivarin (CBDV) | <LOQ | 0.5 | <LOQ |
| Cannabigerol (CBG) | 0.29 | 0.5 | 2.92 |
| Cannabigerolic acid (CBGA) | 0.5 | 0.5 | 4.98 |
| Cannabinadiolic acid (CBDA) | 0.15 | 0.5 | 1.52 |
| Cannabinol (CBN) | 0.07 | 0.5 | 0.69 |
| Tetrahydrocannabinolic acid (THCA) | 38.02 | 0.5 | 380.16 |
| Tetrahydrocannabivarin (THCV) | 0.06 | 0.5 | 0.56 |
| Tetrahydrocannabivarinic Acid (THCVA) | 0.29 | 0.5 | 2.92 |
| Δ10-THC-RR | 0.11 | 0.5 | 1.09 |
| Δ10-THC-RS | <LOQ | 0.5 | <LOQ |
| Δ8-THC | 0.09 | 0.5 | 0.95 |
| Δ9-THC | 4.54 | 0.5 | 45.45 |
| Total Active Cannabidiol (CBD) | 0.17 | - | 1.69 |
| Total Active Cannabigerol (CBG) | 0.73 | - | 7.29 |
| Total Active Tetrahydrocannabinol (THC) | 38.08 | - | 380.89 |
| Total Active Tetrahydrocannabivarin (THCV) | 0.31 | - | 3.09 |
| Total Active Cannabinoids | 39.36 | - | 393.65 |

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: 03/20/2024

Method: NY.SOP.T.40.090

Analyst: Stephanie Knapp

Date started: 03/19/2024 10:00 AM

| Analyte | Result (%w/w) | LOQ |
|---------------------|---------------|------|
| 3-Carene | <LOQ | 0.02 |
| alpha-Bisabolol | 0.05 | 0.02 |
| alpha-Humulene | <LOQ | 0.03 |
| alpha-Phellandrene | <LOQ | 0.03 |
| alpha-Pinene | <LOQ | 0.02 |
| alpha-Terpinene | <LOQ | 0.01 |
| alpha-Terpineol | 0.03 | 0.02 |
| beta-Myrcene | 0.12 | 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 | <LOQ | 0.03 |
| cis-Ocimene | <LOQ | 0.03 |
| Eucalyptol | <LOQ | 0.04 |
| Farnesene | <LOQ | 0.04 |
| Fenchol | 0.02 | 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 | 0.09 | 0.03 |
| Isoborneol | <LOQ | 0.02 |
| Isopulegol | <LOQ | 0.03 |
| Limonene | 0.05 | 0.04 |
| Linalool | 0.07 | 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 | 0.28 | 0.03 |
| trans-Nerolidol | <LOQ | 0.04 |
| Valencene | <LOQ | 0.03 |
| TOTAL (%) | 0.73 | Overall Status (PASS/FAIL) |
| Inhalable Limit (%) | 10 | PASS |

Analyzed by GCMS

V151.15



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Certificate Of Analysis

Trace Metals

PASS

Date analyzed: 03/19/2024

Method: NY.SOP.T.40.050

Analyst: Moni Kaneti

Date started: 03/15/2024 05:05 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) | 0.111 | 0.06 | 0.3 | PASS |
| Chromium (Cr) | <LOQ | 0.36 | 110 | PASS |
| Copper (Cu) | 11.359 | 0.39 | 30 | PASS |
| Lead (Pb) | <LOQ | 0.08 | 0.5 | PASS |
| Mercury (Hg) | <LOQ | 0.01 | 0.1 | PASS |
| Nickel (Ni) | 0.502 | 0.11 | 5 | PASS |
| Overall Status | | | | PASS |

Analyzed by ICP-MS

V114.37



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Certificate Of Analysis

Mycotoxins

PASS

Date analyzed: 03/21/2024

Method: NY.SOP.T.40.180

Analyst: Destiny Ribadeneyra

Date started: 03/18/2024 02:34 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 | <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

Certificate Of Analysis

Pesticides LC

PASS

Date analyzed: 03/21/2024

Method: NY.SOP.T.040.270

Analyst: Stephanie Knapp

Date started: 03/18/2024 02:35 PM

| 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 |
| Etoxazole | <LOQ | 0.005 | 0.2 | PASS |
| Fenhexamid | <LOQ | 0.015 | 1 | PASS |

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| | | | | |
|-----------------------|------|-------|-----|------|
| 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: 03/21/2024 **Method:** NYS.SOP.T.040.271 **Analyst:** Destiny Ribadeneyra

Date started: 03/18/2024 02:36 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

Certificate Of Analysis

Residual Solvents

PASS

Date analyzed: 03/20/2024

Method: NYS.SOP.T.040.272

Analyst: Destiny Ribadeneyra

Date started: 03/19/2024 07:42 AM

| 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: 03/21/2024

Method: NYS.SOP.T.40.273

Analyst: Kristy Lee

Date started: 03/19/2024 05:20 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: 03/21/2024

Method: NYS.SOP.T.040.200

Analyst: Lindsey Vento

Date started: 03/18/2024 07:59 AM

| Result (CFU/g) | LOQ | Allowable Limit | Pass/Fail |
|----------------|-----|-----------------|-----------|
| 5800000 | 5 | N/A | PASS |

Analysis Instrument

87 Colony Counter

V149.8



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Compliance

Certificate Of Analysis

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

PASS

Date analyzed: 03/18/2024

Method: NYS.SOP.T.040.200

Analyst: Kristy Lee

Date started: 03/18/2024 07:48 AM

| Microbial Species | Result (cfu/g) | LOQ | Allowable Limit | Pass/Fail |
|----------------------|----------------|-------------------|-----------------|-----------|
| Mold Count | 260000 | 5 | N/A | PASS |
| Yeast Count | 90000 | 5 | N/A | PASS |
| Total Yeast and Mold | 350000 | 5 | N/A | PASS |
| | | | Overall Status | PASS |
| Analysis Instrument | | 87 Colony Counter | | |

V150.11

Moisture Content

PASS

Date analyzed: 03/20/2024

Method: NY.SOP.T.040.220

Analyst: Destiny Ribadeneyra

Date started: 03/19/2024 02:40 PM

| Result (%) | LOQ | Allowable Limit | Pass/Fail |
|---------------------|-----|-----------------|-----------|
| 9.2 | 0.0 | 5.0 - 15.0 | PASS |
| Analysis Instrument | | | |

V140.31



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Compliance

Certificate Of Analysis

Water Activity

PASS

Date analyzed: 03/18/2024

Method: NY.SOP.T.040.210

Analyst: Destiny Ribadeneyra

Date started: 03/18/2024 03:04 PM

| Result (Aw) | LOQ | Allowable Limit | Pass/Fail |
|-------------|------|-----------------|-----------|
| 0.33 | 0.25 | 0.65 | PASS |

Analyzed by Water Activity Meter

V131.66

Sample Comment: N/A

Alicia Caruso-Thomas

Alicia Caruso-Thomas
 Laboratory Director
 03/21/2024