



**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

### Average Cannabinoid 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

Water Activity PASS

**Client Name:** Harney Brothers Cannabis

**Contact Name:** Rion LoBrutto

**Address:** 6075 Rt 22

Millerton, NY 12546

**Phone:** 518-789-2117

**License Number:** OCM-AUCP-23-000041

**Sample Description:** 5ct Sachet Spicy Pound Town

**Lot Number:** 24022-2

**Regulatory Category:** Adult Use

**Sample Matrix:** Un-Extracted

**Delivery Method:** Oral

**Sample Type:** Edible

**Sample Subtype:** Tea Sachet

**Sampling Site:** 6075 Rt 22, Millerton NY 12546

**Sampling Date and Time:** 01/25/2024 12:03 AM

# Certificate Of Analysis

## Average Cannabinoid Profile

Date analyzed: 02/01/2024

Method: NY.SOP.T.40.260

Analyst: Alicia Caruso-Thomas

Date started: 01/31/2024 01:21 PM

| Analyte                             | Average (%w/w) | mg/ serving | Standard Deviation (mg/ serving) | Homogeneity Pass/ Fail* | LOQ (µg/ mL) |
|-------------------------------------|----------------|-------------|----------------------------------|-------------------------|--------------|
| Δ8-THC†                             | <LOQ           | <LOQ        | -                                | -                       | 0.6          |
| Δ9-THC†                             | 0.004          | 9.9         | 0.73                             | PASS                    | 0.66         |
| Δ10-THC-RS†                         | <LOQ           | <LOQ        | -                                | -                       | 0.6          |
| Δ10-THC-RR†                         | <LOQ           | <LOQ        | -                                | -                       | 0.6          |
| Tetrahydrocannabinolic acid (THCA)† | <LOQ           | <LOQ        | -                                | -                       | 0.6          |
| Tetrahydrocannabivarin (THCV)       | <LOQ           | <LOQ        | -                                | -                       | 0.6          |
| Cannabidiol (CBD)‡                  | 0.004          | 10.03       | 0.61                             | PASS                    | 0.6          |
| Cannabinadiolic acid (CBDA)‡        | <LOQ           | <LOQ        | -                                | -                       | 0.6          |
| Cannabidivarin (CBDV)               | <LOQ           | <LOQ        | -                                | -                       | 0.6          |
| Cannabinol (CBN)                    | <LOQ           | <LOQ        | -                                | -                       | 0.6          |
| Cannabigerol (CBG)                  | <LOQ           | <LOQ        | -                                | -                       | 0.6          |
| Cannabigerolic acid (CBGA)          | <LOQ           | <LOQ        | -                                | -                       | 0.6          |
| Cannabichromene (CBC)               | <LOQ           | <LOQ        | -                                | -                       | 0.6          |
| †Total Tetrahydrocannabinol (THC)   | 0.004          | 9.9         | 0.73                             | PASS                    | N/A          |
| ‡Total Cannabidiol (CBD)            | 0.004          | 10.03       | 0.61                             | PASS                    | N/A          |
| Total Cannabinoids                  | 0.008          | 19.93       |                                  |                         | N/A          |

\*Not required for mixed matrix products.

# Certificate Of Analysis

## Terpenes

**Date analyzed:** 01/31/2024

**Method:** NY.SOP.T.40.090

**Analyst:** Lucia Orellana

**Date started:** 01/29/2024 10:31 AM

| Analyte             | Result (%w/w) | LOQ  |
|---------------------|---------------|------|
| 3-Carene            | <LOQ          | 0.02 |
| alpha-Bisabolol     | <LOQ          | 0.02 |
| alpha-Humulene      | <LOQ          | 0.03 |
| alpha-Phellandrene  | <LOQ          | 0.03 |
| alpha-Pinene        | <LOQ          | 0.02 |
| alpha-Terpinene     | <LOQ          | 0.01 |
| alpha-Terpineol     | <LOQ          | 0.02 |
| beta-Myrcene        | <LOQ          | 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             | <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              | <LOQ | 0.03 |
| Isoborneol          | <LOQ | 0.02 |
| Isopulegol          | <LOQ | 0.03 |
| Limonene            | <LOQ | 0.04 |
| Linalool            | <LOQ | 0.02 |
| Menthol             | <LOQ | 0.02 |
| Nerol               | <LOQ | 0.03 |
| Pulegone            | <LOQ | 0.03 |
| Sabinene            | <LOQ | 0.02 |
| Sabinene Hydrate    | <LOQ | 0.02 |
| Terpinolene         | <LOQ | 0.02 |
| trans-b-Ocimene     | <LOQ | 0.02 |
| trans-Caryophyllene | <LOQ | 0.03 |
| trans-Nerolidol     | <LOQ | 0.04 |
| Valencene           | <LOQ | 0.03 |
| TOTAL (%)           | 0    |      |

Analyzed by GCMS

V151.12

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 04JAN2023. 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.T20.010.



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# Certificate Of Analysis

## Trace Metals

**PASS**

**Date analyzed:** 01/31/2024

**Method:** NY.SOP.T.40.050

**Analyst:** Moni Kaneti

**Date started:** 01/26/2024 03:02 PM

| Analyte        | Result (µg/g) | LOQ  | Allowable Limit | Pass/Fail |
|----------------|---------------|------|-----------------|-----------|
| Antimony (Sb)  | <LOQ          | 0.13 | 120             | PASS      |
| Arsenic (As)   | <LOQ          | 0.07 | 1.5             | PASS      |
| Cadmium (Cd)   | <LOQ          | 0.06 | 0.5             | PASS      |
| Chromium (Cr)  | <LOQ          | 0.36 | 1100            | PASS      |
| Copper (Cu)    | 11.476        | 0.39 | 300             | PASS      |
| Lead (Pb)      | 0.247         | 0.08 | 0.5             | PASS      |
| Mercury (Hg)   | <LOQ          | 0.01 | 3               | PASS      |
| Nickel (Ni)    | 2.853         | 0.11 | 20              | PASS      |
| Overall Status |               |      |                 | PASS      |

Analyzed by ICP-MS

V114.36



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# Certificate Of Analysis

## Mycotoxins

**PASS**

**Date analyzed:** 01/31/2024

**Method:** NY.SOP.T.40.180

**Analyst:** Destiny Ribadeneyra

**Date started:** 01/29/2024 12:29 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

V141.3

# Certificate Of Analysis

## Pesticides LC

**PASS**

**Date analyzed:** 01/31/2024

**Method:** NY.SOP.T.040.270

**Analyst:** Destiny Ribadeneyra

**Date started:** 01/29/2024 03:40 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      |

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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 | <b>PASS</b> |
| Thiacloprid    | <LOQ | 0.01 | 0.2 | <b>PASS</b> |
| Thiamethoxam   | <LOQ | 0.01 | 0.2 | <b>PASS</b> |
| Overall Status |      |      |     | <b>PASS</b> |

Analysis Instrument      30 Agilent LS-MS TQ

V144.9

## Pesticides GC

**PASS**

**Date analyzed:** 02/01/2024      **Method:** NYS.SOP.T.040.271      **Analyst:** Destiny Ribadeneyra

**Date started:** 01/29/2024 03:40 PM

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

Analysis Instrument      141 GC/TQ

V177.8

# Certificate Of Analysis

## Residual Solvents

**PASS**

**Date analyzed:** 01/31/2024

**Method:** NYS.SOP.T.040.272

**Analyst:** Destiny Ribadeneyra

**Date started:** 01/29/2024 12:55 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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## Microbial Impurities (MDG for STEC, Salmonella, Asp sp.)

**PASS**

Date analyzed: 02/01/2024

Method: NYS.SOP.T.40.273

Analyst: Kristy Lee

Date started: 01/25/2024 04:25 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

V182.2

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

**PASS**

Date analyzed: 01/31/2024

Method: NYS.SOP.T.040.200

Analyst: Lindsey Vento

Date started: 01/25/2024 04:27 PM

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

Analysis Instrument

87 Colony Counter

V149.7



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

**PASS**

Date analyzed: 01/29/2024

Method: NYS.SOP.T.040.200

Analyst: Kristy Lee

Date started: 01/25/2024 04:02 PM

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

Analysis Instrument: 87 Colony Counter

V150.9

## Water Activity

**PASS**

Date analyzed: 01/30/2024

Method: NY.SOP.T.040.210

Analyst: Destiny Ribadeneyra

Date started: 01/29/2024 10:50 AM

| Result (Aw) | LOQ  | Allowable Limit | Pass/Fail |
|-------------|------|-----------------|-----------|
| 0.27        | 0.25 | 0.85            | PASS      |

Analyzed by Water Activity Meter

V131.63

Sample Comment: N/A

*Alicia Caruso-Thomas*

Alicia Caruso-Thomas  
 Laboratory Director  
 02/01/2024



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