



**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

<b>Cannabinoids Profile</b>	
<b>Terpenes</b>	
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:** 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:** Lemon Mints 1g Preroll  
**Lot Number:** 24040-1  
**Regulatory Category:** Adult Use  
**Sample Matrix:** Un-Extracted  
**Delivery Method:** Inhalation  
**Sample Type:** Flower  
**Sample Subtype:** Pre roll  
**Sampling Site:** 6075 Rt 22 Millerton, NY 12546  
**Sampling Date and Time:** 02/22/2024 02:06 PM

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## Cannabinoids Profile

**Date analyzed:** 02/24/2024

**Method:** NY.SOP.T.40.260

**Analyst:** Stephanie Knapp

**Date started:** 02/22/2024 04:28 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)	0.08	0.5	0.76
Cannabigerolic acid (CBGA)	0.47	0.5	4.7
Cannabinadiolic acid (CBDA)	0.04	0.5	0.41
Cannabinol (CBN)	<LOQ	0.5	<LOQ
Tetrahydrocannabinolic acid (THCA)	20.69	0.5	206.91
Tetrahydrocannabivarin (THCV)	<LOQ	0.5	<LOQ
Tetrahydrocannabivarinic Acid (THCVA)	0.08	0.5	0.85
Δ10-THC-RR	<LOQ	0.5	<LOQ
Δ10-THC-RS	<LOQ	0.5	<LOQ
Δ8-THC	<LOQ	0.5	<LOQ
Δ9-THC	0.43	0.5	4.27
Total Active Cannabidiol (CBD)	0.04	-	0.36
Total Active Cannabigerol (CBG)	0.49	-	4.89
Total Active Tetrahydrocannabinol (THC)	18.58	-	185.73
Total Active Tetrahydrocannabivarin (THCV)	0.07	-	0.74
Total Active Cannabinoids	19.18	-	191.72

*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:** 02/28/2024

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

**Analyst:** Destiny Ribadeneyra

**Date started:** 02/27/2024 05:12 PM

Analyte	Result (%w/w)	LOQ
3-Carene	<LOQ	0.02
alpha-Bisabolol	<LOQ	0.02
alpha-Humulene	0.09	0.03
alpha-Phellandrene	<LOQ	0.03
alpha-Pinene	<LOQ	0.02
alpha-Terpinene	<LOQ	0.01
alpha-Terpineol	0.04	0.02
beta-Myrcene	0.09	0.03
beta-Pinene	0.03	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	0.04	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	0.16	0.04
Linalool	0.09	0.02
Menthol	<LOQ	0.02
Nerol	<LOQ	0.03
Pulegone	<LOQ	0.03
Sabinene	0.03	0.02
Sabinene Hydrate	<LOQ	0.02
Terpinolene	<LOQ	0.02
trans-b-Ocimene	<LOQ	0.02
trans-Caryophyllene	0.35	0.03
trans-Nerolidol	<LOQ	0.04
Valencene	<LOQ	0.03
TOTAL (%)	0.92	Overall Status (Pass/Fail)
Limit (%)	10	<b>PASS</b>

Analyzed by GCMS

V151.12



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# Certificate Of Analysis

## Trace Metals

**PASS**

**Date analyzed:** 02/28/2024

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

**Analyst:** Moni Kaneti

**Date started:** 02/27/2024 04:24 PM

Analyte	Result (µg/g)	LOQ	Allowable Limit	Pass/Fail
Antimony (Sb)	<LOQ	0.13	2	PASS
Arsenic (As)	0.131	0.07	0.2	PASS
Cadmium (Cd)	<LOQ	0.06	0.3	PASS
Chromium (Cr)	<LOQ	0.36	110	PASS
Copper (Cu)	8.261	0.39	30	PASS
Lead (Pb)	<LOQ	0.08	0.5	PASS
Mercury (Hg)	0.02	0.01	0.1	PASS
Nickel (Ni)	0.255	0.11	5	PASS
Overall Status				PASS

Analyzed by ICP-MS

V114.36



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## Mycotoxins

**PASS**

**Date analyzed:** 02/29/2024

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

**Analyst:** Destiny Ribadeneyra

**Date started:** 02/26/2024 10:23 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	0.003	0.002	0.02	PASS
			Overall Status	PASS

*Analysis Instrument*      30 LC-MS TQ

V141.7

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# Certificate Of Analysis

## Pesticides LC

**PASS**

**Date analyzed:** 02/29/2024

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

**Analyst:** Stephanie Knapp

**Date started:** 02/26/2024 10:23 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

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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	<b>PASS</b>
Thiacloprid	<LOQ	0.008	0.2	<b>PASS</b>
Thiamethoxam	<LOQ	0.008	0.2	<b>PASS</b>
Overall Status				<b>PASS</b>

Analysis Instrument      30 Agilent LS-MS TQ

V144.10

## Pesticides GC

**PASS**

**Date analyzed:** 02/28/2024      **Method:** NYS.SOP.T.040.271      **Analyst:** Destiny Ribadeneyra

**Date started:** 02/26/2024 10:24 AM

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

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# Certificate Of Analysis

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

**PASS**

Date analyzed: 02/28/2024

Method: NYS.SOP.T.40.273

Analyst: Kristy Lee

Date started: 02/27/2024 03:21 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: 02/28/2024

Method: NYS.SOP.T.040.200

Analyst: Kristy Lee

Date started: 02/22/2024 02:34 PM

Result (CFU/g)	LOQ	Allowable Limit	Pass/Fail
7400000	5	N/A	PASS

Analysis Instrument

87 Colony Counter

V149.8

# Certificate Of Analysis

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

**PASS**

Date analyzed: 03/01/2024

Method: NYS.SOP.T.040.200

Analyst: Kristy Lee

Date started: 02/22/2024 02:35 PM

Microbial Species	Result (cfu/g)	LOQ	Allowable Limit	Pass/Fail
Mold Count	110000	5	N/A	PASS
Yeast Count	<LOQ	5	N/A	PASS
Total Yeast and Mold	110000		N/A	PASS
			Overall Status	PASS
<i>Analysis Instrument</i>	<i>87 Colony Counter</i>			

V150.10

## Filth and Foreign Material

**PASS**

Date analyzed: 02/23/2024

Method: NYS.SOP.T.040.250

Analyst: Destiny Ribadeneyra

Date started: 02/22/2024 03:47 PM

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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# Certificate Of Analysis

## 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
12.5	0.0	5.0 - 15.0	<b>PASS</b>

*Analysis Instrument*

*4 Moisture Balance*

V140.31

## Water Activity

**PASS**

**Date analyzed:** 02/26/2024

**Method:** NY.SOP.T.040.210

**Analyst:** Destiny Ribadeneyra

**Date started:** 02/22/2024 02:29 PM

Result (Aw)	LOQ	Allowable Limit	Pass/Fail
0.54	0.25	0.65	<b>PASS</b>

*Analyzed by Water Activity Meter*

V131.63

Sample Comment: N/A

*Alicia Caruso-Thomas*

Alicia Caruso-Thomas  
 Laboratory Director  
 03/05/2024