



**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:** 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:** 3.5g Jar Emerald Fire

**Lot Number:** 23179-4

**Regulatory Category:** Adult Use

**Sample Matrix:** Un-Extracted

**Delivery Method:** Inhalation

**Sample Type:** Flower

**Sample Subtype:** Jarred Flower

**Sampling Site:** 166 Rt 44 Millerton NY 12546

**Sampling Date and Time:** 06/25/2023 04:15 PM

## Results Summary

Microbial Impurities (PdX for STEC, Salmonella, Asp sp.)	PASS
Microbial Impurities (Total Yeast and Mold/CDP-YMR)	PASS
Microbial Impurities (Total Aerobic Bacteria/CDP-TC)	PASS

# Certificate Of Analysis

Filth and Foreign Material	PASS
Moisture Content	PASS
Water Activity	PASS
Mycotoxins	PASS
Pesticides	PASS
Trace Metals	PASS
Cannabinoids Profile	
Cannabinoids Profile	
Cannabinoids Profile	
Cannabinoids Profile	
Cannabinoids Profile	
Average Cannabinoid Profile	

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

**Date analyzed:** 07/18/2023

**Method:** NY.SOP.T.040.170

**Analyst:** Kristy Lee

**Date started:** 07/07/2023 04:30 PM

Microbial Species	Microbial Type	Detection Status	Pass/Fail
Escherichia coli specific gene	Bacteria	Not Detected	PASS
Escherichia coli/Shigella species	Bacteria	Not Detected	PASS
Salmonella species	Bacteria	Not Detected	PASS
stx1 gene (Shiga Toxin Gene 1)	Bacteria	Not Detected	PASS
stx2 gene (Shiga Toxin Gene 2)	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
<b>Overall Status</b>			<b>PASS</b>

*Analysis Instrument*

*PathogenDX-Sensovation AG 33*



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

**PASS**

Date analyzed: 07/10/2023

Method: NYS.SOP.T.040.200

Analyst: Lindsey Vento

Date started: 07/03/2023 04:33 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

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

**PASS**

Date analyzed: 07/06/2023

Method: NYS.SOP.T.040.200

Analyst: Lindsey Vento

Date started: 07/06/2023 09:27 AM

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

Analysis Instrument 87 Colony Counter

V149.7



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## Filth and Foreign Material

**PASS**

Date analyzed: 07/12/2023

Method: NYS.SOP.T.040.250

Analyst: Destiny Ribadeneyra

Date started: 07/11/2023 09:16 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

Analysis Instrument

123 Balance - Radwag

## Moisture Content

**PASS**

Date analyzed: 07/20/2023

Method: NY.SOP.T.040.220

Analyst: Destiny Ribadeneyra

Date started: 07/17/2023 10:31 AM

Result (%)	LOQ	Allowable Limit	Pass/Fail
11	0.0	5.0 - 15.0	PASS

Analysis Instrument

4 Moisture Balance

V140.28



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## Water Activity PASS

**Date analyzed:** 07/12/2023      **Method:** NY.SOP.T.040.210      **Analyst:** Destiny Ribadeneyra

**Date started:** 07/11/2023 11:22 AM

Result (Aw)	LOQ	Allowable Limit	Pass/Fail
0.48	0.25	0.65	PASS

*Analysis Instrument*      103 Aqualab TDL 2

V131.60

## Mycotoxins PASS

**Date analyzed:** 07/12/2023      **Method:** NY.SOP.T.40.180      **Analyst:** Destiny Ribadeneyra

**Date started:** 07/06/2023 03:03 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

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. 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

**PASS**

**Date analyzed:** 07/20/2023

**Method:** NY.SOP.T.040.230

**Analyst:** Alicia Caruso-Thomas

**Date started:** 07/07/2023 09:48 PM

Analyte	Result (µg/g)	LOQ	Allowable Limit	Pass/Fail
Azadirachtin	<LOQ	0.37	1	PASS
Cinerin I†	<LOQ	0.02	1	PASS
Indole-3-butyric Acid	<LOQ	1.26	1	PASS
Jasmolin I†	<LOQ	0.02	1	PASS
Myclobutanil	<LOQ	0.3	0.2	PASS
Piperonyl butoxide	<LOQ	0.21	2	PASS
Pyrethrin I†	<LOQ	0.43	1	PASS
Total Pyrethrins†	0		1	PASS
			Overall Status	PASS
Analysis Instrument	30 LC-MS TQ			

V144.5



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## Trace Metals

**PASS**

**Date analyzed:** 07/14/2023

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

**Analyst:** Kyle Rappaport

**Date started:** 07/11/2023 10:02 AM

Analyte	Result (µg/g)	LOQ	Allowable Limit	Pass/Fail
Antimony (Sb)	<LOQ	0.13	2	PASS
Arsenic (As)	0.08	0.07	0.2	PASS
Cadmium (Cd)	0.18	0.06	0.3	PASS
Chromium (Cr)	<LOQ	0.36	110	PASS
Copper (Cu)	10.2	0.39	30	PASS
Lead (Pb)	<LOQ	0.08	0.5	PASS
Mercury (Hg)	<LOQ	0.01	0.1	PASS
Nickel (Ni)	<LOQ	0.11	2	PASS
			Overall Status	PASS

Analysis Instrument

Equipment ID: 1 ICP-MS

# Certificate Of Analysis

## Cannabinoids Profile

**Date analyzed:** 08/01/2023

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

**Analyst:** Moni Kaneti

**Date started:** 07/25/2023 11:24 AM

Analyte	Result (%w/w)	LOQ (%w/w)	mg/serving
Δ8-THC†	<LOQ	0.02	<LOQ
Δ9-THC†	<LOQ	0.02	<LOQ
Δ10-THC-RS†	<LOQ	0.02	<LOQ
Δ10-THC-RR†	<LOQ	0.02	<LOQ
Tetrahydrocannabinolic acid (THCA)†	22.19	0.02	776.65
Tetrahydrocannabivarin (THCV)	<LOQ	0.02	<LOQ
Cannabidiol (CBD)*	<LOQ	0.02	<LOQ
Cannabinadiolic acid (CBDA)*	<LOQ	0.02	<LOQ
Cannabidivarin (CBDV)	<LOQ	0.02	<LOQ
Cannabinol (CBN)	<LOQ	0.02	<LOQ
Cannabigerol (CBG)	<LOQ	0.02	<LOQ
Cannabigerolic acid (CBGA)	<LOQ	0.02	<LOQ
Cannabichromene (CBC)	<LOQ	0.02	<LOQ
†Total Tetrahydrocannabinol (THC)	19.46	N/A	681.12
*Total Cannabidiol (CBD)	0	N/A	0

*Analysis Instrument*

*131 HPLC*

V125.32