



**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:** Hudson River Hemp LLC

**Contact Name:** Ryan McGrath

**Address:** 1028 Main St Fishkill NY 12524

**Phone:** 914-589-3712

**License Number:** OCM-AUCC022-000047

**Sample Description:** 1 Gram Pre-roll Flower

**Lot Number:** 22.1.8.4.p

**Regulatory Category:** Adult Use

**Sample Matrix:** Un-Extracted

**Delivery Method:** Inhalation

**Sample Type:** Flower

**Sample Subtype:** Pre Roll

**Sampling Site:** On-site

**Sampling Date and Time:** 06/29/2023 04:00 PM

## Results Summary

Average Cannabinoid Profile	
Microbial Impurities (PdX for STEC, Salmonella, Asp sp.)	PASS
Microbial Impurities (Total Aerobic Bacteria/CDP-TC)	PASS

# Certificate Of Analysis

Microbial Impurities (Total Yeast and Mold/CDP-YMR)	PASS
Moisture Content	PASS
Mycotoxins	PASS
Pesticides	PASS
Trace Metals	PASS
Water Activity	PASS

## Average Cannabinoid Profile

Date analyzed: 07/26/2023

Method: NY.SOP.T.40.260

Analyst: Stephanie Knapp

Date started: 07/26/2023 09:38 AM

Analyte	Average (%w/w)	mg/serving	Standard Deviation (mg/serving)	Homogeneity Pass/Fail*	LOQ (%w/w)
Δ8-THC†	<LOQ	<LOQ	-	-	0.02
Δ9-THC†	2.71	27.1	3.76	PASS	0.02
Δ10-THC-RS†	<LOQ	<LOQ	-	-	0.02
Δ10-THC-RR†	<LOQ	<LOQ	-	-	0.02
Tetrahydrocannabinolic acid (THCA)†	20.05	200.52	34.81	PASS	0.02
Tetrahydrocannabivarin (THCV)	<LOQ	<LOQ	-	-	0.02
Cannabidiol (CBD)*	<LOQ	<LOQ	-	-	0.02
Cannabinadiolic acid (CBDA)*	<LOQ	<LOQ	-	-	0.02
Cannabidivarin (CBDV)	<LOQ	<LOQ	-	-	0.02
Cannabinol (CBN)	<LOQ	<LOQ	-	-	0.02
Cannabigerol (CBG)	<LOQ	<LOQ	-	-	0.02
Cannabigerolic acid (CBGA)	<LOQ	<LOQ	-	-	0.02
Cannabichromene (CBC)	<LOQ	<LOQ	-	-	0.02
†Total Tetrahydrocannabinol (THC)	20.29	202.96	33.39	PASS	N/A
*Total Cannabidiol (CBD)	<LOQ	<LOQ	-	-	N/A

V158.21



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

Compliance

# Certificate Of Analysis

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

**PASS**

Date analyzed: 07/06/2023

Method: NY.SOP.T.040.170

Analyst: Kristy Lee

Date started: 07/06/2023 02:44 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
Overall Status			PASS

Analysis Instrument

PathogenDX-Sensovation AG 33

V133.11

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

**PASS**

Date analyzed: 07/06/2023

Method: NYS.SOP.T.040.200

Analyst: Lindsey Vento

Date started: 07/03/2023 04:25 PM

Result (CFU/g)	LOQ	Allowable Limit	Pass/Fail
100000	5	N/A	PASS

Analysis Instrument

87 Colony Counter

V149.7



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

Compliance

# Certificate Of Analysis

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

**PASS**

Date analyzed: 07/07/2023

Method: NYS.SOP.T.040.200

Analyst: Lindsey Vento

Date started: 07/03/2023 04:32 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
<i>Analysis Instrument</i>	<i>87 Colony Counter</i>			

V150.9

## Moisture Content

**PASS**

Date analyzed: 07/14/2023

Method: NY.SOP.T.040.220

Analyst: Destiny Ribadeneyra

Date started: 07/13/2023 08:02 AM

Result (%)	LOQ	Allowable Limit	Pass/Fail
12.6	0.0	5.0 - 15.0	PASS
<i>Analysis Instrument</i>	<i>4 Moisture Balance</i>		

V140.28



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

Compliance

# Certificate Of Analysis

## 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:** 07/19/2023

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

**Analyst:** Alicia Caruso-Thomas

**Date started:** 07/05/2023 12:39 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

# Certificate Of Analysis

## 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)	<LOQ	0.07	0.2	PASS
Cadmium (Cd)	0.12	0.06	0.3	PASS
Chromium (Cr)	1.57	0.36	110	PASS
Copper (Cu)	14.49	0.39	30	PASS
Lead (Pb)	0.12	0.08	0.5	PASS
Mercury (Hg)	<LOQ	0.01	0.1	PASS
Nickel (Ni)	1.92	0.11	2	PASS
Overall Status				PASS

Analysis Instrument

Equipment ID: 1 ICP-MS

## 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
0.53	0.25	0.65	PASS

Analysis Instrument

103 Aqualab TDL 2

V131.60

Sample Comment: N/A



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

Compliance

# Certificate Of Analysis

---

Kyle Rappaport  
Quality Director  
07/26/2023