



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

R&D

# Certificate Of Analysis

**Client Name:** HV Ag Corp (High Falls Hemp New York)

**Address:** 641 Berme Road  
High Falls, NY 12440

**Phone:** 201-310-3337

**License Number:** OCM-AUCC-22-000215

**Sample Description:** Cultivar 001 Flower

**Lot Number:** 22-038-08

**Regulatory Category:** Adult Use

**Sample Matrix:** Un-Extracted

**Delivery Method:** Inhalation

## Results Summary

Cannabinoids Profile

# Certificate Of Analysis

## Cannabinoids Profile

**Date analyzed:** 02/16/2023

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

**Analyst:** Lucia Orellana

Analyte	Result (%w/w)	LOQ (%w/w)	Result (mg/serving)
Δ8-THC†	<LOQ	0.02	<LOQ
Δ9-THC†	1.21	0.02	12.1
Δ10-THC-RS†	<LOQ	0.02	<LOQ
Δ10-THC-RR†	<LOQ	0.02	<LOQ
Tetrahydrocannabinolic acid (THCA)†	25.89	0.02	258.9
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)	1.09	0.02	10.9
Cannabichromene (CBC)	<LOQ	0.02	<LOQ
†Total Tetrahydrocannabinol (THC)	23.92		239.16

*Analysis Instrument*

*131 HPLC*

V125.22

*Alicia Caruso-Thomas*

Alicia Caruso-Thomas  
Laboratory Director  
02/16/2023

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**Address:** 641 Berme Road  
High Falls, NY 12440

**Phone:** 201-310-3337

**License Number:** OCM-AUCC-22-000215

**Sample Description:** G13 Genius HV

**Lot Number:** 23-F0009

**Regulatory Category:** Adult Use

**Sample Matrix:** Un-Extracted

**Delivery Method:** Inhalation

## Results Summary

Filth and Foreign Material	PASS
Microbial Impurities (CDP-TC)	PASS
Microbial Impurities (CDP-YMR)	PASS
Microbial Impurities (PdX for STEC, Salmonella, Asp sp.)	PASS
Moisture Content	PASS
Mycotoxins	PASS
Pesticides	PASS
Trace Metals	PASS
Water Activity	PASS



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## Filth and Foreign Material PASS

**Date analyzed:** 03/20/2023      **Method:** NYS.SOP.T.040.250      **Analyst:** Destiny Ribadeneyra

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 (%)	0.01	0	2	PASS
			Overall Status	PASS

*Analysis Instrument*      5 Balance - Radwag

## Microbial Impurities (CDP-TC) PASS

**Date analyzed:** 03/24/2023      **Method:** NYS.SOP.T.040.200      **Analyst:** Destiny Ribadeneyra

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

*Analysis Instrument*      87 Colony Counter

V149.5

# Certificate Of Analysis

## Microbial Impurities (CDP-YMR)

**PASS**

Date analyzed: 03/20/2023

Method: NYS.SOP.T.040.200

Analyst: Destiny Ribadeneyra

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>			

V150.6

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

**PASS**

Date analyzed: 03/31/2023

Method: NY.SOP.T.040.170

Analyst: Kristy Lee

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
<i>Analysis Instrument</i>	<i>PathogenDX-Sensovation AG 33</i>		

V133.11

# Certificate Of Analysis

## Moisture Content

**PASS**

Date analyzed: 03/24/2023

Method: NY.SOP.T.040.220

Analyst: Destiny Ribadeneyra

Result (%)	LOQ	Allowable Limit	Pass/Fail
11.3	0.0	5.0 - 15.0	<b>PASS</b>

Analysis Instrument

4 Moisture Balance

V140.28

## Mycotoxins

**PASS**

Date analyzed: 03/24/2023

Method: NY.SOP.T.40.180

Analyst: Alicia Caruso-Thomas

Analyte	Result (µg/g)	LOQ (µg/g)	Allowable Limit	Pass/Fail
Aflatoxin B1	<LOQ	0.001	0.02	<b>PASS</b>
Aflatoxin B2	0.001	0.002	0.02	<b>PASS</b>
Aflatoxin G1	<LOQ	0.001	0.02	<b>PASS</b>
Aflatoxin G2	<LOQ	0.002	0.02	<b>PASS</b>
Sum of Aflatoxins	0.001	-	0.02	<b>PASS</b>
Ochratoxin A	<LOQ	0.002	0.02	<b>PASS</b>
			Overall Status	<b>PASS</b>

Analysis Instrument

30 LC-MS TQ

V141.3

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## Pesticides

**PASS**

Date analyzed: 03/28/2023

Method: NY.SOP.T.040.230

Analyst: Alicia Caruso-Thomas

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

## Trace Metals

**PASS**

Date analyzed: 03/31/2023

Method: NY.SOP.T.40.050

Analyst: Kyle Rappaport

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)	<LOQ	0.06	0.3	PASS
Chromium (Cr)	<LOQ	0.36	110	PASS
Copper (Cu)	13.58	0.39	30	PASS
Lead (Pb)	<LOQ	0.08	0.5	PASS
Mercury (Hg)	<LOQ	0.01	0.1	PASS
Nickel (Ni)	1.45	0.11	2	PASS
			Overall Status	PASS
Analysis Instrument	Equipment ID: 1 ICP-MS			



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## Water Activity **PASS**

**Date analyzed:** 03/20/2023

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

**Analyst:** Destiny Ribadeneyra

Result (Aw)	LOQ	Allowable Limit	Pass/Fail
0.33	0.25	0.65	<b>PASS</b>

*Analysis Instrument*

*103 Aqualab TDL 2*

V131.60





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*Alicia Caruso-Thomas*

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Alicia Caruso-Thomas  
Laboratory Director  
03/31/2023



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# Certificate Of Analysis

**Client Name:** HV Ag Corp (High Falls Hemp New York)

**Contact Name:** Rick Weissman

**Address:** 641 Berme Road  
High Falls, NY 12440

**Phone:** 201-310-3337

**License Number:** OCM-AUCC-22-000215

**Sample Description:** G13 Genius HV

**Lot Number:** 23-F0009-2

**Regulatory Category:** Adult Use

**Sample Matrix:** Un-Extracted

**Delivery Method:** Inhalation

**Sample Type:** Flower

**Sample Subtype:** Whole Flower

**Sampling Site:** 641 Berme Road High Falls NY  
12440

**Sampling Date and Time:** 06/13/2023 04:00 PM

## Results Summary

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

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

**PASS**

Date analyzed: 06/16/2023

Method: NY.SOP.T.040.170

Analyst: Kristy Lee

Date started: 06/16/2023 01:57 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: 06/16/2023

Method: NYS.SOP.T.040.200

Analyst: Lindsey Vento

Date started: 06/14/2023 08:21 AM

Result (CFU/g)	LOQ	Allowable Limit	Pass/Fail
3600000	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: 06/16/2023

Method: NYS.SOP.T.040.200

Analyst: Lindsey Vento

Date started: 06/14/2023 08:25 AM

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

Sample Comment: N/A

*Alicia Caruso-Thomas*

Alicia Caruso-Thomas  
 Laboratory Director  
 06/20/2023