

## **Certificate Of Analysis**

R&D

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

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 are terms used to describe the reliably measured smallest concentrations. LOQ\* denotes the result is above detection limit, but below quantifiable limit. CFU - Colony Forming Units.



## **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< td=""><td>0.02</td><td><loq< td=""></loq<></td></loq<>	0.02	<loq< td=""></loq<>
Δ9-THC†	1.21	0.02	12.1
Δ10-THC-RS†	<loq< td=""><td>0.02</td><td><loq< td=""></loq<></td></loq<>	0.02	<loq< td=""></loq<>
Δ10-THC-RR†	<loq< td=""><td>0.02</td><td><loq< td=""></loq<></td></loq<>	0.02	<loq< td=""></loq<>
Tetrahydrocannabinolic acid (THCA)†	25.89	0.02	258.9
Tetrahydrocannabivarin (THCV)	<loq< td=""><td>0.02</td><td><loq< td=""></loq<></td></loq<>	0.02	<loq< td=""></loq<>
Cannabidiol (CBD)	<loq< td=""><td>0.02</td><td><loq< td=""></loq<></td></loq<>	0.02	<loq< td=""></loq<>
Cannabinadiolic acid (CBDA)	<loq< td=""><td>0.02</td><td><loq< td=""></loq<></td></loq<>	0.02	<loq< td=""></loq<>
Cannabidivarin (CBDV)	<loq< td=""><td>0.02</td><td><loq< td=""></loq<></td></loq<>	0.02	<loq< td=""></loq<>
Cannabinol (CBN)	<loq< td=""><td>0.02</td><td><loq< td=""></loq<></td></loq<>	0.02	<loq< td=""></loq<>
Cannabigerol (CBG)	<loq< td=""><td>0.02</td><td><loq< td=""></loq<></td></loq<>	0.02	<loq< td=""></loq<>
Cannabigerolic acid (CBGA)	1.09	0.02	10.9
Cannabichromene (CBC)	<loq< td=""><td>0.02</td><td><loq< td=""></loq<></td></loq<>	0.02	<loq< td=""></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

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 are terms used to describe the reliably measured smallest concentrations. LOQ\* denotes the result is above detection limit, but below quantifiable limit. CFU - Colony Forming Units.



## **Certificate Of Analysis**

Compliance

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: G13 Genius HV Lot Number: 23-F0009 Regulatory Category: Adult Use Sample Matrix: Un-Extracted Delivery Method: Inhalation

Results Summary	
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

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 are terms used to describe the reliably measured smallest concentrations. LOQ\* denotes the result is above detection init, but below quantifiable init. CFU - Cobny Forming Units.



## **Certificate Of Analysis**

### Filth and Foreign Material

Date analyzed: 03/20/2023	Method: NYS.S	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.SC	OP.T.040.200	Analyst: De	estiny Ribadeneyra
Result (CFU/g)	LOQ	Allowab	le Limit	Pass/Fail
100000	5	N/.	A	PASS

Analysis Instrument

87 Colony Counter

V149.5

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 are terms used to describe the reliably measured smallest concentrations. LOQ\* denotes the result is above detection init, but below quantifiable init. CFU - Colony Forming Units.

PASS



## **Certificate Of Analysis**

<b>Microbial Impurities</b>	s (CDP-YMR)			PASS
Date analyzed: 03/20/2023	Method: NYS.S	OP.T.040.200	Analyst: Destiny Riba	adeneyra
Microbial Species	Result (cfu/g)	LOQ	Allowable Limit	Pass/Fail
Mold Count	<loq< td=""><td>5</td><td>N/A</td><td>PASS</td></loq<>	5	N/A	PASS
Yeast Count	<loq< td=""><td>5</td><td>N/A</td><td>PASS</td></loq<>	5	N/A	PASS
Total Yeast and Mold	<loq< td=""><td></td><td>N/A</td><td>PASS</td></loq<>		N/A	PASS
			Overall Status	PASS
Analysis Isntrument	87 Colony Counter			

V150.6

Compliance

Microbial Impurities (PdX	for STEC, Salmonella,	Asp sp.)	PASS
Date analyzed: 03/31/2023	Method: NY.SOP.T.040.170	Analyst: Kristy Lee	
<b>Microbial Species</b>	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

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 are terms used to describe the reliably measured smallest concentrations. LOQ\* denotes the result is above detection imit, but below quantifiable imit. CFU - Colony Forming Units.



# **Certificate Of Analysis**

Method: NY.SOP.T	T.040.220 Allowable L		iny Ribadeneyra
LOQ	Allowable L	imit	
			Pass/Fail
0.0	5.0 - 15.0	0	PASS
	re Balance	re Balance	re Balance

V140.28

.

Compliance

Mycotoxins				PASS
Date analyzed: 03/24/2023	Method: N	Y.SOP.T.40.180	Analyst: Alicia Caru	uso-Thomas
Analyte	Result (µg/g)	LOQ (μg/g)	Allowable Limit	Pass/Fail
Aflatoxin B1	<loq< td=""><td>0.001</td><td>0.02</td><td>PASS</td></loq<>	0.001	0.02	PASS
Aflatoxin B2	0.001	0.002	0.02	PASS
Aflatoxin G1	<loq< td=""><td>0.001</td><td>0.02</td><td>PASS</td></loq<>	0.001	0.02	PASS
Aflatoxin G2	<loq< td=""><td>0.002</td><td>0.02</td><td>PASS</td></loq<>	0.002	0.02	PASS
Sum of Aflatoxins	0.001	-	0.02	PASS
Ochratoxin A	<loq< td=""><td>0.002</td><td>0.02</td><td>PASS</td></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 are terms used to describe the reliably measured smallest concentrations. LOQ\* denotes the result is above detection imit, but below quantifiable imit. CFU - Colony Forming Units.



## **Certificate Of Analysis**

Pesticides

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< td=""><td>0.37</td><td>1</td><td>PASS</td></loq<>	0.37	1	PASS
Cinerin I†	<loq< td=""><td>0.02</td><td>1</td><td>PASS</td></loq<>	0.02	1	PASS
Indole-3-butyric Acid	<loq< td=""><td>1.26</td><td>1</td><td>PASS</td></loq<>	1.26	1	PASS
Jasmolin I†	<loq< td=""><td>0.02</td><td>1</td><td>PASS</td></loq<>	0.02	1	PASS
Myclobutanil	<loq< td=""><td>0.3</td><td>0.2</td><td>PASS</td></loq<>	0.3	0.2	PASS
Piperonyl butoxide	<loq< td=""><td>0.21</td><td>2</td><td>PASS</td></loq<>	0.21	2	PASS
Pyrethrin I†	<loq< td=""><td>0.43</td><td>1</td><td>PASS</td></loq<>	0.43	1	PASS
Total Pyrethrins†	0		1	PASS
			Overall Status	PASS
Analysis Instrument	30 LC-MS TQ			

te analyzed: 03/31/2023	Method: NY.	SOP.T.40.050	Analyst: Kyle Rappa	port
Analyte	Result (µg/g)	LOQ	Allowable Limit	Pass/Fail
Antimony (Sb)	<loq< td=""><td>0.13</td><td>2</td><td>PASS</td></loq<>	0.13	2	PASS
Arsenic (As)	<loq< td=""><td>0.07</td><td>0.2</td><td>PASS</td></loq<>	0.07	0.2	PASS
Cadmium (Cd)	<loq< td=""><td>0.06</td><td>0.3</td><td>PASS</td></loq<>	0.06	0.3	PASS
Chromium (Cr)	<loq< td=""><td>0.36</td><td>110</td><td>PASS</td></loq<>	0.36	110	PASS
Copper (Cu)	13.58	0.39	30	PASS
Lead (Pb)	<loq< td=""><td>0.08</td><td>0.5</td><td>PASS</td></loq<>	0.08	0.5	PASS
Mercury (Hg)	<loq< td=""><td>0.01</td><td>0.1</td><td>PASS</td></loq<>	0.01	0.1	PASS
Nickel (Ni)	1.45	0.11	2	PASS
			Overall Status	PASS

Analysis Instrument Equi

Equipment ID: 1 ICP-MS

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 are terms used to describe the reliably measured smallest concentrations. LOQ\* denotes the result is above detection imit, but below quantifiable imit. CFU - Colony Forming Units.

.....

Compliance

PASS



## **Certificate Of Analysis**

Water Activity				PASS
ate analyzed: 03/20/2023	Method: NY.SOF	P.T.040.210	Analyst: De	stiny Ribadeneyra
Result (Aw)	LOQ	Allowabl	e Limit	Pass/Fail
0.33	0.25	0.6	5	PASS

Analysis Instrument

103 Aqualab TDL 2

V131.60

Compliance



## **Certificate Of Analysis**

Compliance

Alicia Caruso-Thomas

Alicia Caruso-Thomas Laboratory Director 03/31/2023

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 are terms used to describe the reliably measured smallest concentrations. LOQ\* denotes the result is above detection imit, but below quantifiable imit. CFU - Colony Forming Units.



### **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	PASS
sp.)	
Microbial Impurities (Total	PASS
Aerobic Bacteria/CDP-TC)	17100
Microbial Impurities (Total	PASS
Yeast and Mold/CDP-YMR)	.,

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, rare terms used to describe the reliably measured smallest and largest concentrations. <LOQ\* denotes the result is above detection limit, but below quantification, rare terms used to describe the reliably measured smallest and largest concentrations. <LOQ\* denotes the result is above detection limit, but below quantification, rare terms used to describe the reliably measured smallest and largest concentrations. <LOQ\* denotes the result is above detection limit, but below quantification, rare terms used to describe the reliably measured smallest and largest concentrations. <LOQ\* denotes the result is above detection limit, but below quantification, rare terms used to describe the reliably measured smallest and largest concentrations. <LOQ\* denotes the result is above detection limit, but below quantification, rare terms used to describe the reliably measured smallest and largest concentrations. <LOQ\* denotes the result is above detection limit, but below quantification, rare terms used to describe the reliably measured smallest and largest concentrations. <LOQ\* denotes the result is above detection limit, but below quantification is the term of the term of the term of term of term of terms of term



PASS

### **Certificate Of Analysis**

Microbial Impurities (PdX for STEC, Salmonella, Asp sp.) 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	<b>Detection Status</b>	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)				
Date analyzed: 06/16/2023	Method: NYS.SC	P.T.040.200 An	alyst: Lindsey Vento	
Date started: 06/14/2023 08:2	1 AM			
Result (CFU/g)	LOQ	Allowable Limit	Pass/Fail	
3600000	5	N/A	PASS	
Analysis Instrument	87 Colony Counter			

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, rare terms used to describe the reliably measured smallest and largest concentrations. <LOQ\* denotes the result is above detection limit, but below quantification, rare terms used to describe the reliably measured smallest and largest concentrations. <LOQ\* denotes the result is above detection limit, but below quantification, rare terms used to describe the reliably measured smallest and largest concentrations. <LOQ\* denotes the result is above detection limit, but below quantification, rare terms used to describe the reliably measured smallest and largest concentrations. <LOQ\* denotes the result is above detection limit, but below quantification, rare terms used to describe the reliably measured smallest and largest concentrations. <LOQ\* denotes the result is above detection limit, but below quantification, rare terms used to describe the reliably measured smallest and largest concentrations. <LOQ\* denotes the result is above detection limit, but below quantification, rare terms used to describe the reliably measured smallest and largest concentrations. <LOQ\* denotes the result is above detection limit, but below quantification is the term of the term of the term of term of term of terms of term



### **Certificate Of Analysis**

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< td=""><td>5</td><td>N/A</td><td>PASS</td></loq<>	5	N/A	PASS
Yeast Count	<loq< td=""><td>5</td><td>N/A</td><td>PASS</td></loq<>	5	N/A	PASS
Total Yeast and Mold	<loq< td=""><td></td><td>N/A</td><td>PASS</td></loq<>		N/A	PASS
			Overall Status	PASS
Analysis Instrument	87 Colony Counter			

V150.9

#### Sample Comment: N/A

Alicia Caruso-Thomas

Alicia Caruso-Thomas Laboratory Director 06/20/2023

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, rare terms used to describe the reliably measured smallest and largest concentrations. <LOQ\* denotes the result is above detection limit, but below quantification, rare terms used to describe the reliably measured smallest and largest concentrations. <LOQ\* denotes the result is above detection limit, but below quantification, rare terms used to describe the reliably measured smallest and largest concentrations. <LOQ\* denotes the result is above detection limit, but below quantification, rare terms used to describe the reliably measured smallest and largest concentrations. <LOQ\* denotes the result is above detection limit, but below quantification, rare terms used to describe the reliably measured smallest and largest concentrations. <LOQ\* denotes the result is above detection limit, but below quantification, rare terms used to describe the reliably measured smallest and largest concentrations. <LOQ\* denotes the result is above detection limit, but below quantification, rare terms used to describe the reliably measured smallest and largest concentrations. <LOQ\* denotes the result is above detection limit, but below quantification is the term of the term of the term of term of term of terms of term