

Lexachrom Analytical Laboratory- NYS DOH ELAP ID 12134
Certificate of Analysis

30 S Ocean Ave, Suite 203
Freeport, NY 11520, USA
Client Information

Client ID:	GROWER_9	First Name:	Rick	Last Name:	Weissman	Facility Name:	High Falls Canna
Type:	Growers	Entry Date:	03 Jan, 2023	License Number:	AUCC 2022-000215	Email:	rick@highfallshempny.com
Country:	United States	Address:	PO Box 147				

Sample Information

Sample ID:	whl_flwr_3614	Sample ID [External]:	Pool 23-F0004	Type:	Whole Flower	Batch ID:	23-F0004
Current Quantity:	3.50	Current Quantity-Unit:	g	Custodian:	M_ADMIN	Collection Date:	03 Jan, 2022
Entry Date:	03 Jan, 2023	Entry Time:	12:14:10 PM	Associated Client:	GROWER_9		

Test Information: Chemistry/ HPLC Potency - Cannabinoids by HPLC-PDA

Test ID	Sample Testing Completion Date	Type	Group	Code
LC_Potency_447	Jan 05, 2023	Chemistry_HPLC Potency	Chemistry	HPLC Potency

Analytes and Results: Chemistry/ HPLC Potency and Profile - Test Method NYS DOH MML-300
COMPLETE
HPLC Potency

Analyte Name	LOQ* (ug/mL)	Mass (mg/dose)	% Weight (%Cs)
Cannabichromene (CBC)	0.627	<LOQ	< 7.47%
Cannabidiol (CBD)	0.608	<LOQ	< 7.25%
Cannabidiolic Acid (CBDA)	0.713	<LOQ	< 8.5%
Cannabidivarin (CBDV)	0.691	<LOQ	< 8.24%
Cannabigerol (CBG)	0.634	<LOQ	< 7.56%
Cannabigerolic Acid (CBGA)	0.704	<LOQ	< 8.39%
Cannabinol (CBN)	0.637	<LOQ	< 7.59%
Delta-9-Tetrahydrocannabinol (D9-THC)	0.660	<LOQ	< 7.87%
Tetrahydrocannabinolic Acid (THCA)	0.795	2.09	20.94%
Tetrahydrocannabivarin (THCV)	0.681	<LOQ	< 8.12%
Delta-8-Tetrahydrocannabinol (D8-THC)	0.660	<LOQ	< 8.91%
Total Tetrahydrocannabinol (total-THC)		1.84	18.37%
Total Cannabidiol (total-CBD)		<LOQ	< 7.25%

NOTE:
Sampling/Digestion/Extraction in accordance with NYSELAP Method NYS DOH MML-301
NOTE:
***Limit of Quantitation (LOQ)**

The concentration of an analyte that can be reported within the accuracy and precision limits defined by the method. The LOQ can be no lower than the lowest calibration standard used in the analysis.

Test Information: Cannabis Testing/ Metals - Cannabinoids by HPLC-PDA

Test ID	Sample Testing Completion Date	Type	Group	Code
MTnMT_446	Dec 28, 2022	Cannabis Testing_Metals	Cannabis Testing	Metals

Analytes and Results: Cannabis Testing/ Metals - Test Method NYS DOH LINC-250

PASS

Analyte Name	MRL**(ug/g)	Amount (ug/g)	Status
Zinc	0.8	<MRL	PASS
Nickel	0.15	<MRL	PASS
Mercury	0.2	<MRL	PASS
Lead	2	<MRL	PASS
Copper	2	<MRL	Pass
Chromium	0.2	<MRL	PASS
Cadmium	0.25	<MRL	PASS
Arsenic	1.25	<MRL	PASS
Antimony (Sb)	20	<MRL	Pass

NOTE:****Minimum Reporting Limit (MRL):**

The level below which the laboratory will not report concentration results for an analyte. The MRL cannot be less than the LOQ*, and is determined by the instrument sensitivity and program requirements. Results below this limit are reported as less than that concentration.

Test Information: Cannabis Testing/ Mycotoxins - Cannabinoids by HPLC-PDA

Test ID	Sample Testing Completion Date	Type	Group	Code
MYCX_445	Dec 29, 2022	Cannabis Testing_Mycotoxins	Cannabis Testing	Mycotoxins

Analytes and Results: Cannabis Testing/ Mycotoxins - Test Method NYS DOH MML-303

PASS

Analyte Name	LOQ (ng/g)	Amount (ng/g)	Status
Aflatoxin B1	0.099	<LOQ	PASS
Aflatoxin B2	0.141	<LOQ	PASS
Aflatoxin G1	0.129	<LOQ	PASS
Aflatoxin G2	0.114	<LOQ	PASS
Ochratoxin A	0.113	<LOQ	PASS

Test Information: Cannabis Testing/ PGRs and Pesticides - Cannabinoids by HPLC-PDA

Test ID	Sample Testing Completion Date	Type	Group	Code
PGRP_449	Dec 30, 2022	Cannabis Testing_PGRs and Pesticides	Cannabis Testing	PGRs and Pesticides

Analytes and Results: Cannabis Testing/ PGRs and Pesticides - Test Method NYS DOH MML-306 and MML-307

PASS

Analyte Name	LOQ (ng/g)	Amount (ng/g)	Status
Azadirachtin	67.41	<LOQ	PASS
IBA	70.87	<LOQ	PASS
Piperonyl Butoxide (PBO)	48.76	<LOQ	PASS

Test Information: Cannabis Testing/ Natural Pyrethrins - Cannabinoids by HPLC-PDA

Test ID	Sample Testing Completion Date	Type	Group	Code
NPY_449	Dec 30, 2022	Cannabis Testing_Natural Pyrethrins	Cannabis Testing	Natural Pyrethrins

Analytes and Results: Cannabis Testing/ Natural Pyrethrins - Test Method NYS DOH MML-308

PASS

Analyte Name	LOQ (ng/g)	Amount (ng/g)	Status
Cinerin I	0.067	<LOQ	Pass
Cinerin II	0.141	<LOQ	Pass
Jasmolin I	0.06	<LOQ	Pass
Jasmolin II	0.087	<LOQ	Pass
Pyrethrin I	0.318	<LOQ	Pass
Pyrethrin II	0.605	<LOQ	Pass

Test Information: Cannabis Testing/ Microbials QLT - Cannabinoids by HPLC-PDA

Test ID	Sample Testing Completion Date	Type	Group	Code
MLQ_447	Jan 06, 2023	Cannabis Testing_Microbials QLT	Cannabis Testing	Microbials QLT

Analytes and Results: Cannabis Testing/ Microbials Qualitative - Test Method NYS DOH LEB-604

PASS

Analyte	NYS ELAP Method	Result	Status
E. coli	NYS DOH ELAP LEB- 604***	Negative	PASS
Salmonella spp.	NYS DOH ELAP LEB- 604***	Negative	PASS

Test Information: Cannabis Testing/ Microbials QNT - Cannabinoids by HPLC-PDA

Test ID	Sample Testing Completion Date	Type	Group	Code
MQNT_447	Jan 06, 2023	Cannabis Testing_Microbials QNT	Cannabis Testing	Microbials QNT

Analytes and Results: Cannabis Testing/ Microbials Quantitative - Test Method NYS DOH LEB-605 /LEB-618

PASS

Analyte	NYS ELAP Method	Result	CFU/g	Ct Value	Status
Aerobic Plate Count	NYS DOH ELAP LEB-	Detected	1.04E6	N/A	PASS
Aspergillus/Penicillium/Paecilomyces spp.	NYS DOH ELAP LEB-	Not Detected	<1	N/A	PASS
E. coli STEC	SOP LEXA041	Not Detected	<1	N/A	PASS
Mold Plate Count	NYS DOH ELAP LEB-	Detected	8.4E5	N/A	PASS
Salmonella spp.	SOP LEXA041	Not Detected	<1	N/A	PASS

N.B. Bacteria NTID: Enterobacter cloacae complex, Mold NTID: Epicoccum nigrum. CRL Report Attached

If Aspergillus/Penicillium/Paecilomyces group is detected, further testing to identify particular Aspergillus species is done as below. If not detected this further testing is N/A:

Test Information: Cannabis Testing/ Aspergillus Spec - Cannabinoids by HPLC-PDA

Test ID	Sample Testing Completion Date	Type	Group	Code
MAS_447	Jan 12, 2023	Cannabis Testing_AspERGILLUS Spec	Cannabis Testing	Aspergillus Spec

Analytes and Results: Cannabis Testing/ Microbials Quantitative, Aspergillus species- Test Method NYS DOH LEB-618

PASS

Analyte	NYS ELAP Method	Result	CFU/g	Ct Value	Status
Aspergillus flavus	NYS DOH ELAP LEB-	Not Detected	<1	N/A	Pass
Aspergillus fumigatus	NYS DOH ELAP LEB-	Not Detected	<1	N/A	Pass
Aspergillus niger	NYS DOH ELAP LEB-	Not Detected	<1	N/A	Pass
Aspergillus terreus	NYS DOH ELAP LEB-	Not Detected	<1	N/A	Pass

NOTE:

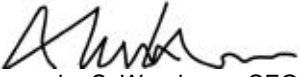
***Preparation in accordance with NYSELAP Method NYS DOH LEB-603.

NOTE:

Samples are pooled as needed for microbiological testing. For these tests only one result is reported, which is the same for all specimens

Disclaimer

**All Tests are conducted by Lexachrom Analytical Laboratory and conform to NYS DOH ELAP regulations and standards.
The results reported relate only to the samples as received and tested.
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Alexander S. Woodmass CEO/
Lead Technical Director

23 Jan, 2023



Risikat Oladimeji
Technical Director of Microbiology/QA Manager

23 Jan, 2023



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

Compliance

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: Line - Pre-Pack - G13 Genius;
Rosetta Stone; Cinderella 99; Killer Queen; Queen of Soul;
Grimm Glue; Mimosa; Wedding Cake; Gelato; Biscotti

Lot Number: Line - 23-PP0001-1; 23-PP0003-1; 23-
PP0005-1; 23-PP0006-1; 23-PP0007-1; 23-PP0008-1; 23-
PP0009-1; 23-PP0010-1; 23-PP0011-1; 23-PP0012-1

Regulatory Category: Adult Use

Sample Matrix: Un-Extracted

Delivery Method: Inhalation

Results Summary

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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v28.1



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

Compliance

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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
<LOQ	5	N/A	PASS

Analysis Instrument

87 Colony Counter

V149.5

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

Analysis Instrument

87 Colony Counter

V150.6

Certificate Of Analysis

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

PASS

Date analyzed: 03/20/2023

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

Analysis Instrument

PathogenDX-Sensovation AG 33

V133.11

Moisture Content

PASS

Date analyzed: 03/14/2023

Method: NY.SOP.T.040.220

Analyst: Destiny Ribadeneyra

Result (%)	LOQ	Allowable Limit	Pass/Fail
13	0.0	5.0 - 15.0	PASS

Analysis Instrument

V140.28

Certificate Of Analysis

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	PASS
Aflatoxin B2	0.001	0.002	0.02	PASS
Aflatoxin G1	<LOQ	0.001	0.02	PASS
Aflatoxin G2	<LOQ	0.002	0.02	PASS
Sum of Aflatoxins	0.001	-	0.02	PASS
Ochratoxin A	<LOQ	0.002	0.02	PASS
			Overall Status	PASS

Analysis Instrument 30 LC-MS TQ

V141.3

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

Certificate Of Analysis

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)	15.54	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

Water Activity

PASS

Date analyzed: 03/14/2023

Method: NY.SOP.T.040.210

Analyst: Destiny Ribadeneyra

Result (Aw)	LOQ	Allowable Limit	Pass/Fail
0.41	0.25	0.65	PASS

Analysis Instrument

V131.60

Alicia Caruso-Thomas

Alicia Caruso-Thomas
Laboratory Director
03/31/2023