



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: Orange Mango Sparkling Water
Lot Number: F23207THC
Regulatory Category: Adult Use
Sample Matrix: Extracted
Delivery Method: Oral
Sample Type: Edible
Sample Subtype: Beverage

Sampling Site: 6075 Rt 22 Millerton NY,12546

Sampling Date and Time: 07/28/2023 11:36 AM

Results Summary

Average Cannabinoid Profile	
Microbial Impurities (PdX for STEC, Salmonella, Asp sp.)	PASS
Microbial Impurities (Total Aerobic Bacteria/CDP-TC)	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, ULQ - 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.T20.010.

Certificate Of Analysis

Microbial Impurities (Total Yeast and Mold/CDP-YMR)	PASS
Mycotoxins	PASS
Pesticides	PASS
Residual Solvents	PASS

Average Cannabinoid Profile

Date analyzed: 08/08/2023

Method: NY.SOP.T.40.260

Analyst: Stephanie Knapp

Date started: 08/08/2023 09:17 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†	14	5.01	1.22	PASS	0.02
Δ10-THC-RS†	<LOQ	<LOQ	-	-	0.02
Δ10-THC-RR†	<LOQ	<LOQ	-	-	0.02
Tetrahydrocannabinolic acid (THCA)†	<LOQ	<LOQ	-	-	0.02
Tetrahydrocannabivarin (THCV)	<LOQ	<LOQ	-	-	0.02
Cannabidiol (CBD)*	34.18	12.23	2.93	PASS	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)	14	5.01	1.21	PASS	N/A
*Total Cannabidiol (CBD)	34.18	12.22	2.93	PASS	N/A
Overall Status				PASS	

*Pass if the concentration of individual samples is ±25% of the mean concentration

V158.21



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

PASS

Date analyzed: 08/03/2023

Method: NY.SOP.T.040.170

Analyst: Lindsey Vento

Date started: 08/02/2023 10:08 AM

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: 08/03/2023

Method: NYS.SOP.T.040.200

Analyst: Lindsey Vento

Date started: 08/02/2023 07:19 AM

Result (CFU/g)	LOQ	Allowable Limit	Pass/Fail
<LOQ	5	10000	PASS

Analysis Instrument

87 Colony Counter

V149.7

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Certificate Of Analysis

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

PASS

Date analyzed: 08/07/2023

Method: NYS.SOP.T.040.200

Analyst: Lindsey Vento

Date started: 08/02/2023 07:20 AM

Microbial Species	Result (cfu/g)	LOQ	Allowable Limit	Pass/Fail
Mold Count	<LOQ	5	1000	PASS
Yeast Count	<LOQ	5	1000	PASS
Total Yeast and Mold	<LOQ		1000	PASS
			Overall Status	PASS

Analysis Instrument 87 Colony Counter

V150.9

Mycotoxins

PASS

Date analyzed: 08/07/2023

Method: NY.SOP.T.40.180

Analyst: Destiny Ribadeneyra

Date started: 08/01/2023 07:37 AM

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

Certificate Of Analysis

Pesticides

PASS

Date analyzed: 08/10/2023

Method: NY.SOP.T.040.230

Analyst: Destiny Ribadeneyra

Date started: 08/01/2023 07:38 AM

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	0.30	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

Residual Solvents

PASS

Date analyzed: 08/08/2023

Method: NYS.SOP.T.040.272

Analyst: Destiny Ribadeneyra

Date started: 08/03/2023 10:11 AM

Analyte	Result (µg/g)	LOQ	Allowable Limit	Pass/Fail
1,2-Dichloroethane (Ethylene dichloride, Ethylene chloride)	<LOQ	0.67	5	PASS
2-Propanol (Isopropanol, Isopropyl alcohol)	<LOQ	21.68	5000	PASS
Acetone (2-Propanone)	<LOQ	15.9	5000	PASS
Acetonitrile	<LOQ	0.85	410	PASS
Benzene	<LOQ	0.71	2	PASS
Butanes, Total	<LOQ	0.35	5000	PASS
Chloroform	<LOQ	0.54	60	PASS
Dichloromethane (Methylene chloride)	<LOQ	1.07	600	PASS
Dimethyl sulfoxide (DMSO)	<LOQ	0.66	5000	PASS
Ethanol (Ethyl alcohol)	632.95	10.02	5000	PASS
Ethyl acetate (Acetic acid ethyl ester)	<LOQ	18.45	5000	PASS
Ethyl ether (Diethyl ether, 1,1'-Oxybisethane)	<LOQ	0.44	5000	PASS
Heptane (n-Heptane)	<LOQ	0.36	5000	PASS
Hexanes, Total	<LOQ	0.39	290	PASS
Methanol (Methyl alcohol)	<LOQ	2.47	3000	PASS
Pentanes, Total	<LOQ	0.37	5000	PASS
Propane	<LOQ	0.53	5000	PASS
Toluene (Methylbenzene)	<LOQ	2.34	890	PASS
Trichloroethane (1,1,1-)	<LOQ	0.41	1500	PASS
Xylenes, Total (ortho-, meta-, para-)	<LOQ	2.65	2170	PASS
Overall Status				PASS

Analysis Instrument

29 GC-MS

V148.9



Phyto-Farma Labs
a Smithers company

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Sample Comment:	Cannabinoid CBD w/w% is 0.0034%, THC is 0.0014% w/w%. LIMS limitation prevents reporting below 0.01%. Value inflated for calculation and reporting. Final value for mg/serving is verified correct by hand calculation.
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Kyle Rappaport
Quality Director
08/10/2023



50A Rose Pl, Garden City Park, NY 11040
Permit # NYS OCM CPL-2022-00003

Certificate of Analysis

Accession: 23299	Organization: Phyto-farma Labs (845)202-0632 49 John Hicks Drive Warwick, NY 10990	Collection Date: 8/7/2023 10:38 AM LMD
Work Order: 1099		Received Date: 8/7/2023 10:38 AM LMD
Work Order Code: 94792		Reported Date: 8/10/2023 10:38 AM
License Designation: Other	Category: Other	Report Status: FINAL
Sample Name: digested sample for metals testing	Lot ID: 2426	Type: Other
Dose size: N/A	Sample Barcode: 18948	Quantity of Samples: 1

Heavy Metals Testing

Trace / Heavy Metals Run by SH on 8/10/2023 7:40:34 AM at Location: TALON

Method ID: TA-101

Samples are pooled as needed for testing. For these tests, only one result is reported to represent all samples received.

Test	ppm	Status	Limit	LOQ (ppm)
Antimony	<LOQ	PASS	<120.0	0.1
Arsenic	<LOQ	PASS	<1.5	0.1
Cadmium	<LOQ	PASS	<0.5	0.1
Chromium	<LOQ	PASS	<1100.0	0.1
Copper	<LOQ	PASS	<300.0	0.1
Lead	<LOQ	PASS	<0.5	0.1
Mercury	<LOQ	PASS	<3.00	0.01
Nickel	<LOQ	PASS	<20.0	0.1

Reviewed By: _____

Vitrano Stocker, Brynn

Panel Name: Trace / Heavy Metals

Approved: 8/10/2023 10:37 AM

Disclaimers:

- 1: Testing was performed in conformance with NYS OCM & ISO 17025:2017 regulations and standards.
- 2: The results in this report relate only to the sample as received.
- 3: This certificate of analysis shall not be reproduced, except in full, without the written consent of the laboratory.

Definitions:

LOQ - Limit of Quantitation; minimum concentration that can be quantitatively reported.
Limit - Refers to the regulatory limit set forth by NYS OCM.

Laboratory Contact Information

E-mail: info@talonanalytical.com

Phone: (888) 201-0957

ISO 17025:2017 Cert. 5722.1 (Biological) 5722.2 (Chemical)