



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

Compliance

Certificate Of Analysis

Results Summary

Average Cannabinoid Profile	
Terpenes	
Pesticides	PASS
Microbial Impurities (MDG for STEC, Salmonella, Asp sp.)	PASS
Microbial Impurities (Total Aerobic Bacteria/CDP-TC)	PASS
Microbial Impurities (Total Yeast and Mold/CDP-YMR)	PASS
Mycotoxins	PASS
Pesticides cont.	PASS
Residual Solvents	PASS
Trace Metals	PASS

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: Sleep 5ct Tea Sachet
Lot Number: 23339-3
Regulatory Category: Adult Use
Sample Matrix: Un-Extracted
Delivery Method: Oral
Sample Type: Edible
Sample Subtype: Cannabis Flower Hot Tea Sachet
Sampling Site: 6075 Rt 22, Millerton NY 12546
Sampling Date and Time: 12/14/2023 11:10 AM

Certificate Of Analysis

Average Cannabinoid Profile

Date analyzed: 12/26/2023

Method: NY.SOP.T.40.260

Analyst: Lucia Orellana

Date started: 12/21/2023 08:30 AM

Analyte	Average (%w/w)	mg/ serving	Standard Deviation (mg/ serving)	Homogeneity Pass/ Fail*	LOQ (µg/ mL)
Δ8-THC†	<LOQ	<LOQ	-	-	0.6
Δ9-THC†	0.007	16.45	3.84	PASS	0.66
Δ10-THC-RS†	<LOQ	<LOQ	-	-	0.6
Δ10-THC-RR†	<LOQ	<LOQ	-	-	0.6
Tetrahydrocannabinolic acid (THCA)†	0.001	2.999	0.63	PASS	0.6
Tetrahydrocannabivarin (THCV)	<LOQ	<LOQ	-	-	0.6
Cannabidiol (CBD)‡	0.001	1.45	0.33	PASS	0.6
Cannabinadiolic acid (CBDA)‡	<LOQ	<LOQ	-	-	0.6
Cannabidivarin (CBDV)	<LOQ	<LOQ	-	-	0.6
Cannabinol (CBN)	<LOQ	<LOQ	-	-	0.6
Cannabigerol (CBG)	<LOQ	<LOQ	-	-	0.6
Cannabigerolic acid (CBGA)	<LOQ	<LOQ	-	-	0.6
Cannabichromene (CBC)	<LOQ	<LOQ	-	-	0.6
†Total Tetrahydrocannabinol (THC)	0.008	19.08	4.35	-	N/A
‡Total Cannabidiol (CBD)	0.001	1.45	0.79	-	N/A
Total Cannabinoids	0.009	20.53			N/A

*Not required for mixed matrix products.

Certificate Of Analysis

Terpenes

Date analyzed: 12/20/2023

Method: NY.SOP.T.40.090

Analyst: Destiny Ribadeneyra

Date started: 12/15/2023 03:08 PM

Analyte	Result (%w/w)	LOQ
3-Carene	<LOQ	0.02
alpha-Bisabolol	<LOQ	0.02
alpha-Humulene	<LOQ	0.03
alpha-Phellandrene	<LOQ	0.03
alpha-Pinene	<LOQ	0.02
alpha-Terpinene	<LOQ	0.01
alpha-Terpineol	<LOQ	0.02
beta-Myrcene	<LOQ	0.03
beta-Pinene	<LOQ	0.03
Borneol	<LOQ	0.02
Camphene	<LOQ	0.02
Camphor	<LOQ	0.02
Caryophyllene oxide	<LOQ	0.03
Cedrene	<LOQ	0.02
Cedrol	<LOQ	0.03
cis-Nerolidol	<LOQ	0.03
cis-Ocimene	<LOQ	0.03
Eucalyptol	<LOQ	0.04
Farnesene	<LOQ	0.04
Fenchol	<LOQ	0.02
Fenchone	<LOQ	0.03
gamma-Terpinene	<LOQ	0.02
gamma-Terpineol	<LOQ	0.02
Geraniol	<LOQ	0.02
Geranyl Acetate	<LOQ	0.03



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Guaiol	<LOQ	0.03
Isoborneol	<LOQ	0.02
Isopulegol	<LOQ	0.03
Limonene	<LOQ	0.04
Linalool	<LOQ	0.02
Menthol	<LOQ	0.02
Nerol	<LOQ	0.03
Pulegone	<LOQ	0.03
Sabinene	<LOQ	0.02
Sabinene Hydrate	<LOQ	0.02
Terpinolene	<LOQ	0.02
trans-b-Ocimene	<LOQ	0.02
trans-Caryophyllene	<LOQ	0.03
trans-Nerolidol	<LOQ	0.04
Valencene	<LOQ	0.03
TOTAL	0	

Analysis Instrument

29 GC-MS

V151.6

Certificate Of Analysis

Pesticides

PASS

Date analyzed: 12/21/2023

Method: NY.SOP.T.040.270

Analyst: Destiny Ribadeneyra

Date started: 12/18/2023 10:15 AM

Analyte	Result (µg/g)	LOQ	Allowable Limit	Pass/Fail
Abamectin	<LOQ	0.02	0.5	PASS
Acephate	<LOQ	0.01	0.4	PASS
Acequinocyl	<LOQ	0.02	2	PASS
Acetamiprid	<LOQ	0.01	0.2	PASS
Aldicarb	<LOQ	0.01	0.4	PASS
Azadirachtin	<LOQ	0.02	1	PASS
Azoxystrobin	<LOQ	0.01	0.2	PASS
Bifenazate	<LOQ	0.01	0.2	PASS
Bifenthrin	<LOQ	0	0.2	PASS
Boscalid	<LOQ	0.01	0.4	PASS
Carbaryl	<LOQ	0.01	0.2	PASS
Carbofuran	<LOQ	0.01	0.2	PASS
Chlorantraniliprole	<LOQ	0.01	0.2	PASS
Chlormequat chloride	<LOQ	0.02	1	PASS
Chlorpyrifos	<LOQ	0.01	0.2	PASS
Clofentezine	<LOQ	0.01	0.2	PASS
Daminozide	<LOQ	0	1	PASS
Diazinon	<LOQ	0.01	0.2	PASS
Dichlorvos	<LOQ	0.01	1	PASS
Dimethoate	<LOQ	0.01	0.2	PASS
Dimethomorph	<LOQ	0.01	1	PASS
Ethoprophos	<LOQ	0.01	0.2	PASS
Etofenprox	<LOQ	0	0.4	PASS
Etoxazole	<LOQ	0.01	0.2	PASS
Fenhexamid	<LOQ	0.01	1	PASS

Certificate Of Analysis

Fenoxycarb	<LOQ	0.01	0.2	PASS
Fenpyroximate	<LOQ	0	0.4	PASS
Flonicamid	<LOQ	0.01	1	PASS
Fludioxonil	<LOQ	0.02	0.4	PASS
Hexythiazox	<LOQ	0	1	PASS
Imidacloprid	<LOQ	0.01	0.4	PASS
Indole-3-butyric acid	<LOQ	0.01	1	PASS
Kresoxim methyl	<LOQ	0.01	0.4	PASS
Malathion	<LOQ	0.01	0.2	PASS
Metalaxyl	<LOQ	0.01	0.2	PASS
Methiocarb	<LOQ	0	0.2	PASS
Methomyl	<LOQ	0.01	0.4	PASS
Mevinphos	<LOQ	0.02	1	PASS
MGK-264	<LOQ	0.01	0.2	PASS
Myclobutanil	<LOQ	0.01	0.2	PASS
Naled	<LOQ	0	0.5	PASS
Oxamyl	<LOQ	0.01	1	PASS
Paclobutrazol	<LOQ	0.01	0.4	PASS
Permethrins, Total	<LOQ	0.01	0.2	PASS
Phosmet	<LOQ	0.01	0.2	PASS
Piperonyl Butoxide	<LOQ	0.01	2	PASS
Prallethrin	<LOQ	0.01	0.2	PASS
Propiconazole	<LOQ	0.01	0.4	PASS
Propoxur	<LOQ	0.01	0.2	PASS
Pyrethrins	<LOQ	0.01	1	PASS
Pyridaben	<LOQ	0.01	0.2	PASS
Spinetoram, Total	<LOQ	0	1	PASS
Spinosad, Total	<LOQ	0.01	0.2	PASS
Spiromesifen	<LOQ	0.01	0.2	PASS
Spirotetramat	<LOQ	0.01	0.2	PASS
Spiroxamine	<LOQ	0	0.2	PASS



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Tebuconazole	<LOQ	0.01	0.4	PASS
Thiacloprid	<LOQ	0.01	0.2	PASS
Thiamethoxam	<LOQ	0.01	0.2	PASS
Overall Status				PASS

Analysis Instrument 30 Agilent LS-MS TQ

V144.9

Microbial Impurities (MDG for STEC, Salmonella, Asp sp.) **PASS**

Date analyzed: 12/21/2023 **Method:** NYS.SOP.T.40.273 **Analyst:** Kristy Lee

Date started: 12/15/2023 11:38 AM

Microbial Species	Microbial Type	Detection Status	Pass/Fail
Shiga toxin-producing Escherichia coli	Bacteria	Not Detected	PASS
Salmonella species	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 125 Agilent AriaMx Real-time PCR System

V182.2

Certificate Of Analysis

Microbial Impurities (Total Aerobic Bacteria/CDP-TC)

PASS

Date analyzed: 12/21/2023

Method: NYS.SOP.T.040.200

Analyst: Lindsey Vento

Date started: 12/15/2023 11:40 AM

Result (CFU/g)	LOQ	Allowable Limit	Pass/Fail
22600000	5	N/A	PASS

Analysis Instrument

87 Colony Counter

V149.7

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

PASS

Date analyzed: 12/19/2023

Method: NYS.SOP.T.040.200

Analyst: Kristy Lee

Date started: 12/15/2023 11:41 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

Analysis Instrument

87 Colony Counter

V150.9



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Certificate Of Analysis

Mycotoxins

PASS

Date analyzed: 12/21/2023

Method: NY.SOP.T.40.180

Analyst: Destiny Ribadeneyra

Date started: 12/18/2023 10:42 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



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Compliance

Certificate Of Analysis

Pesticides cont.

PASS

Date analyzed: 12/21/2023

Method: NYS.SOP.T.040.271

Analyst: Destiny Ribadeneyra

Date started: 12/18/2023 10:15 AM

Analyte	Result (µg/g)	LOQ (µg/g)	Allowable Limit	Pass/Fail
Captan	<LOQ	0.3	1	PASS
Chlordane	<LOQ	0.07	1	PASS
Chlorfenapyr	<LOQ	0.1	1	PASS
Coumaphos	<LOQ	0.19	1	PASS
Cyfluthrin	<LOQ	0.11	1	PASS
Cypermethrin	<LOQ	0.24	1	PASS
Fipronil	<LOQ	0.17	0.4	PASS
Imazalil	<LOQ	0.17	0.2	PASS
Methyl parathion	<LOQ	0.09	0.2	PASS
Pentachloronitrobenzene	<LOQ	0.17	1	PASS
Trifloxystrobin	<LOQ	0.11	0.2	PASS
Overall Status				PASS

Analysis Instrument

141 GC/TQ

V177.7

Certificate Of Analysis

Residual Solvents

PASS

Date analyzed: 12/20/2023

Method: NYS.SOP.T.040.272

Analyst: Destiny Ribadeneyra

Date started: 12/18/2023 08:09 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)	<LOQ	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

148 GC-MS

V148.9

Certificate Of Analysis

Trace Metals

PASS

Date analyzed: 12/22/2023

Method: NY.SOP.T.40.050

Analyst: Moni Kaneti

Date started: 12/20/2023 09:22 AM

Analyte	Result (µg/g)	LOQ	Allowable Limit	Pass/Fail
Antimony (Sb)	<LOQ	0.13	120	PASS
Arsenic (As)	<LOQ	0.07	1.5	PASS
Cadmium (Cd)	<LOQ	0.06	0.5	PASS
Chromium (Cr)	<LOQ	0.36	1100	PASS
Copper (Cu)	10.895	0.39	300	PASS
Lead (Pb)	0.154	0.08	0.5	PASS
Mercury (Hg)	<LOQ	0.01	3	PASS
Nickel (Ni)	1.365	0.11	20	PASS
Overall Status				PASS

Analyzed by ICP-MS

V114.33

Sample Comment: N/A

Alicia Caruso-Thomas

Alicia Caruso-Thomas
Laboratory Director
12/28/2023