

# Certificate Of Analysis

## Results Summary

### Cannabinoids Profile

#### Terpenes

Trace Metals PASS

Mycotoxins PASS

Pesticides LC PASS

Pesticides GC 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

Filth and Foreign Material PASS

Moisture Content PASS

Water Activity 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:** 3.5g Jar Lemon Mints

**Lot Number:** 24024-1

**Regulatory Category:** Adult Use

**Sample Matrix:** Un-Extracted

**Delivery Method:** Inhalation

**Sample Type:** Flower

**Sample Subtype:** jar flower

**Sampling Site:** 6075 Rt 22, Millerton NY 12546

**Sampling Date and Time:** 01/25/2024 11:34 AM

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## Cannabinoids Profile

**Date analyzed:** 02/01/2024

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

**Analyst:** Stephanie Knapp

**Date started:** 01/30/2024 02:32 PM

Analyte	Result (%w/w)	LOQ (µg/mL)	Result (mg/serving)
Δ8-THC†	<LOQ	0.6	<LOQ
Δ9-THC†	<LOQ	0.66	<LOQ
Δ10-THC-RS†	<LOQ	0.6	<LOQ
Δ10-THC-RR†	<LOQ	0.6	<LOQ
Tetrahydrocannabinolic acid (THCA)†	27.28	0.6	272.85
Tetrahydrocannabivarin (THCV)	<LOQ	0.6	<LOQ
Cannabidiol (CBD)*	<LOQ	0.6	<LOQ
Cannabinadiolic acid (CBDA)*	<LOQ	0.6	<LOQ
Cannabidivarin (CBDV)	<LOQ	0.6	<LOQ
Cannabinol (CBN)	<LOQ	0.6	<LOQ
Cannabigerol (CBG)	<LOQ	0.6	<LOQ
Cannabigerolic acid (CBGA)	<LOQ	0.6	<LOQ
Cannabichromene (CBC)	<LOQ	0.6	<LOQ
†Total Tetrahydrocannabinol (THC)	23.92	-	239.29
*Total Cannabidiol (CBD)	0	-	0
Total Cannabinoids	23.92	-	239.29

Analyzed by HPLC

V125.44

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## Terpenes

**Date analyzed:** 01/31/2024

**Method:** NY.SOP.T.40.090

**Analyst:** Lucia Orellana

**Date started:** 01/29/2024 10:31 AM

Analyte	Result (%w/w)	LOQ
3-Carene	<LOQ	0.02
alpha-Bisabolol	<LOQ	0.02
alpha-Humulene	0.05	0.03
alpha-Phellandrene	<LOQ	0.03
alpha-Pinene	<LOQ	0.02
alpha-Terpinene	<LOQ	0.01
alpha-Terpineol	0.03	0.02
beta-Myrcene	0.1	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	0.02	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	0.17	0.04
Linalool	0.06	0.02
Menthol	<LOQ	0.02
Nerol	<LOQ	0.03
Pulegone	<LOQ	0.03
Sabinene	0.03	0.02
Sabinene Hydrate	<LOQ	0.02
Terpinolene	<LOQ	0.02
trans-b-Ocimene	<LOQ	0.02
trans-Caryophyllene	0.19	0.03
trans-Nerolidol	<LOQ	0.04
Valencene	<LOQ	0.03
<b>TOTAL (%)</b>	<b>0.65</b>	<b>Overall Status (Pass/Fail)</b>
<b>Limit (%)</b>	<b>10</b>	<b>PASS</b>

Analyzed by GCMS

V151.12



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## Trace Metals

**PASS**

**Date analyzed:** 01/31/2024

**Method:** NY.SOP.T.40.050

**Analyst:** Moni Kaneti

**Date started:** 01/26/2024 03:02 PM

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)	10.098	0.39	30	PASS
Lead (Pb)	<LOQ	0.08	0.5	PASS
Mercury (Hg)	<LOQ	0.01	0.1	PASS
Nickel (Ni)	0.183	0.11	5	PASS
Overall Status				PASS

Analyzed by ICP-MS

V114.36



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## Mycotoxins

**PASS**

**Date analyzed:** 01/31/2024

**Method:** NY.SOP.T.40.180

**Analyst:** Destiny Ribadeneyra

**Date started:** 01/29/2024 12:29 PM

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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## Pesticides LC

**PASS**

**Date analyzed:** 01/31/2024

**Method:** NY.SOP.T.040.270

**Analyst:** Destiny Ribadeneyra

**Date started:** 01/29/2024 03:40 PM

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

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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	<b>PASS</b>
Thiacloprid	<LOQ	0.01	0.2	<b>PASS</b>
Thiamethoxam	<LOQ	0.01	0.2	<b>PASS</b>
Overall Status				<b>PASS</b>

Analysis Instrument      30 Agilent LS-MS TQ

V144.9

## Pesticides GC

**PASS**

**Date analyzed:** 02/01/2024      **Method:** NYS.SOP.T.040.271      **Analyst:** Destiny Ribadeneyra  
**Date started:** 01/29/2024 03:40 PM

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

Analysis Instrument      141 GC/TQ

V177.8



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

**Date analyzed:** 02/01/2024      **Method:** NYS.SOP.T.40.273      **Analyst:** Kristy Lee

**Date started:** 01/25/2024 04:25 PM

Microbial Species	Microbial Type	Detection Status	Pass/Fail
Shiga toxin-producing Escherichia coli	Bacteria	Not Detected	<b>PASS</b>
Salmonella species	Bacteria	Not Detected	<b>PASS</b>
Aspergillus flavus	Fungal	Not Detected	<b>PASS</b>
Aspergillus niger	Fungal	Not Detected	<b>PASS</b>
Aspergillus terreus	Fungal	Not Detected	<b>PASS</b>
Aspergillus fumigatus	Fungal	Not Detected	<b>PASS</b>
		Overall Status	<b>PASS</b>

Analysis Instrument      125 Agilent AriaMx Real-time PCR System

V182.2

## Microbial Impurities (Total Aerobic Bacteria/CDP-TC) **PASS**

**Date analyzed:** 01/31/2024      **Method:** NYS.SOP.T.040.200      **Analyst:** Lindsey Vento

**Date started:** 01/25/2024 04:27 PM

Result (CFU/g)	LOQ	Allowable Limit	Pass/Fail
460000	5	N/A	<b>PASS</b>

Analysis Instrument      87 Colony Counter

V149.7

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

**PASS**

Date analyzed: 01/29/2024

Method: NYS.SOP.T.040.200

Analyst: Kristy Lee

Date started: 01/25/2024 04:02 PM

Microbial Species	Result (cfu/g)	LOQ	Allowable Limit	Pass/Fail
Mold Count	16000	5	N/A	PASS
Yeast Count	<LOQ	5	N/A	PASS
Total Yeast and Mold	16000		N/A	PASS
			Overall Status	PASS
<i>Analysis Instrument</i>	<i>87 Colony Counter</i>			

V150.9

## Filth and Foreign Material

**PASS**

Date analyzed: 01/31/2024

Method: NYS.SOP.T.040.250

Analyst: Destiny Ribadeneyra

Date started: 01/30/2024 12:35 PM

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	0	2	PASS
			Overall Status	PASS

V142.8



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## Moisture Content

**PASS**

**Date analyzed:** 01/30/2024

**Method:** NY.SOP.T.040.220

**Analyst:** Lucia Orellana

**Date started:** 01/29/2024 10:52 AM

Result (%)	LOQ	Allowable Limit	Pass/Fail
14.3	0.0	5.0 - 15.0	<b>PASS</b>

*Analysis Instrument*

*4 Moisture Balance*

V140.31

## Water Activity

**PASS**

**Date analyzed:** 01/30/2024

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

**Analyst:** Destiny Ribadeneyra

**Date started:** 01/29/2024 10:50 AM

Result (Aw)	LOQ	Allowable Limit	Pass/Fail
0.55	0.25	0.65	<b>PASS</b>

*Analyzed by Water Activity Meter*

V131.63

Sample Comment: N/A

*Alicia Caruso-Thomas*

Alicia Caruso-Thomas  
 Laboratory Director  
 02/01/2024