

49 John Hicks Drive Warwick, NY 10990

Permit#: OCM-CPL-2022-00004

Phone: 845-988-0937

# **Certificate Of Analysis**

Compliance

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: ADL Super Runtz 1gram Pre roll

Tube

**Lot Number:** 23346-2

Regulatory Category: Adult Use

Sample Matrix: Un-Extracted

**Delivery Method:** Inhalation

Sample Type: Flower

Sample Subtype: Pre Roll

Sampling Site: 6075 Rt 22, Millerton NY 12546

Sampling Date and Time: 12/14/2023 10:39 AM

Results Summary	
Cannabinoids Profile	
Microbial Impurities (MDG for	PASS
STEC, Salmonella, Asp sp.)	PASS
Microbial Impurities (Total	PASS
Aerobic Bacteria/CDP-TC)	FASS
Microbial Impurities (Total	PASS
Yeast and Mold/CDP-YMR)	FAJJ
Moisture Content	PASS
Mycotoxins	PASS
Pesticides	PASS
Pesticides cont.	PASS
Terpenes	
Trace Metals	PASS
Water Activity	PASS



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### **Cannabinoids Profile**

Date analyzed: 12/21/2023 Method: NY.SOP.T.40.260 Analyst: Lucia Orellana

Date started: 12/19/2023 08:26 AM

Analyte	Result (%w/w)	LOQ (μg/mL)	Result (mg/serving)
Δ8-THC†	<loq< td=""><td>0.6</td><td><loq< td=""></loq<></td></loq<>	0.6	<loq< td=""></loq<>
Δ9-THC†	2.68	0.66	26.85
Δ10-THC-RS†	<loq< td=""><td>0.6</td><td><loq< td=""></loq<></td></loq<>	0.6	<loq< td=""></loq<>
Δ10-THC-RR†	<loq< td=""><td>0.6</td><td><loq< td=""></loq<></td></loq<>	0.6	<loq< td=""></loq<>
Tetrahydrocannabinolic acid (THCA)†	25.01	0.6	250.14
Tetrahydrocannabivarin (THCV)	<loq< td=""><td>0.6</td><td><loq< td=""></loq<></td></loq<>	0.6	<loq< td=""></loq<>
Cannabidiol (CBD)*	<loq< td=""><td>0.6</td><td><loq< td=""></loq<></td></loq<>	0.6	<loq< td=""></loq<>
Cannabinadiolic acid (CBDA)*	<loq< td=""><td>0.6</td><td><loq< td=""></loq<></td></loq<>	0.6	<loq< td=""></loq<>
Cannabidivarin (CBDV)	<loq< td=""><td>0.6</td><td><loq< td=""></loq<></td></loq<>	0.6	<loq< td=""></loq<>
Cannabinol (CBN)	<loq< td=""><td>0.6</td><td><loq< td=""></loq<></td></loq<>	0.6	<loq< td=""></loq<>
Cannabigerol (CBG)	<loq< td=""><td>0.6</td><td><loq< td=""></loq<></td></loq<>	0.6	<loq< td=""></loq<>
Cannabigerolic acid (CBGA)	<loq< td=""><td>0.6</td><td><loq< td=""></loq<></td></loq<>	0.6	<loq< td=""></loq<>
Cannabichromene (CBC)	<loq< td=""><td>0.6</td><td><loq< td=""></loq<></td></loq<>	0.6	<loq< td=""></loq<>
†Total Tetrahydrocannabinol (THC)	24.61	-	246.22
*Total Cannabidiol (CBD)	0	-	0
Total Cannabinoids	24.61	-	246.22

Analyzed by HPLC

V125.42

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### **Certificate Of Analysis**

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

**PASS** 

Compliance

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	<b>Detection Status</b>	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

### 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
1200000	5	N/A	PASS

Analysis Instrument 87 Colony Counter

V149.7

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# **Certificate Of Analysis**

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

**PASS** 

Compliance

Date analyzed: 12/19/2023 Method: NYS.SOP.T.040.200 Analyst: Kristy Lee

Date started: 12/15/2023 11:41 AM

<b>Microbial Species</b>	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

#### **Moisture Content**

**PASS** 

**Date analyzed: 12/18/2023** Method: NY.SOP.T.040.220 Analyst: Destiny Ribadeneyra

Date started: 12/18/2023 04:33 PM

Result (%)	LOQ	Allowable Limit	Pass/Fail
12.7	0.0	5.0 - 15.0	PASS

Analysis Instrument 4 Moisture Balance

V140.28

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# **Certificate Of Analysis**

**Mycotoxins** 

**PASS** 

Compliance

**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< td=""><td>0.001</td><td>0.02</td><td>PASS</td></loq<>	0.001	0.02	PASS
Aflatoxin B2	<loq< td=""><td>0.002</td><td>0.02</td><td>PASS</td></loq<>	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	-	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

V1413



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# **Certificate Of Analysis**

PASS

Compliance

### **Pesticides**

Method: NY.SOP.T.040.270

Analyst: Destiny Ribadeneyra

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

**Date analyzed: 12/21/2023** 

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

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a Smithers company	Phone: 845-988	3-0937		
Fenoxycarb	<loq< td=""><td>0.01</td><td>0.2</td><td>PASS</td></loq<>	0.01	0.2	PASS
Fenpyroximate	<loq< td=""><td>0</td><td>0.4</td><td>PASS</td></loq<>	0	0.4	PASS
Flonicamid	<loq< td=""><td>0.01</td><td>1</td><td>PASS</td></loq<>	0.01	1	PASS
Fludioxonil	<loq< td=""><td>0.02</td><td>0.4</td><td>PASS</td></loq<>	0.02	0.4	PASS
Hexythiazox	<loq< td=""><td>0</td><td>1</td><td>PASS</td></loq<>	0	1	PASS
Imidacloprid	<loq< td=""><td>0.01</td><td>0.4</td><td>PASS</td></loq<>	0.01	0.4	PASS
Indole-3-butyric acid	<loq< td=""><td>0.01</td><td>1</td><td>PASS</td></loq<>	0.01	1	PASS
Kresoxim methyl	<loq< td=""><td>0.01</td><td>0.4</td><td>PASS</td></loq<>	0.01	0.4	PASS
Malathion	<loq< td=""><td>0.01</td><td>0.2</td><td>PASS</td></loq<>	0.01	0.2	PASS
Metalaxyl	<loq< td=""><td>0.01</td><td>0.2</td><td>PASS</td></loq<>	0.01	0.2	PASS
Methiocarb	<loq< td=""><td>0</td><td>0.2</td><td>PASS</td></loq<>	0	0.2	PASS
Methomyl	<loq< td=""><td>0.01</td><td>0.4</td><td>PASS</td></loq<>	0.01	0.4	PASS
Mevinphos	<loq< td=""><td>0.02</td><td>1</td><td>PASS</td></loq<>	0.02	1	PASS
MGK-264	<loq< td=""><td>0.01</td><td>0.2</td><td>PASS</td></loq<>	0.01	0.2	PASS
Myclobutanil	<loq< td=""><td>0.01</td><td>0.2</td><td>PASS</td></loq<>	0.01	0.2	PASS
Naled	<loq< td=""><td>0</td><td>0.5</td><td>PASS</td></loq<>	0	0.5	PASS
Oxamyl	<loq< td=""><td>0.01</td><td>1</td><td>PASS</td></loq<>	0.01	1	PASS
Paclobutrazol	<loq< td=""><td>0.01</td><td>0.4</td><td>PASS</td></loq<>	0.01	0.4	PASS
Permethrins, Total	<loq< td=""><td>0.01</td><td>0.2</td><td>PASS</td></loq<>	0.01	0.2	PASS
Phosmet	<loq< td=""><td>0.01</td><td>0.2</td><td>PASS</td></loq<>	0.01	0.2	PASS
Piperonyl Butoxide	<loq< td=""><td>0.01</td><td>2</td><td>PASS</td></loq<>	0.01	2	PASS
Prallethrin	<loq< td=""><td>0.01</td><td>0.2</td><td>PASS</td></loq<>	0.01	0.2	PASS
Propiconazole	<loq< td=""><td>0.01</td><td>0.4</td><td>PASS</td></loq<>	0.01	0.4	PASS
Propoxur	<loq< td=""><td>0.01</td><td>0.2</td><td>PASS</td></loq<>	0.01	0.2	PASS
Pyrethrins	<loq< td=""><td>0.01</td><td>1</td><td>PASS</td></loq<>	0.01	1	PASS
Pyridaben	<loq< td=""><td>0.01</td><td>0.2</td><td>PASS</td></loq<>	0.01	0.2	PASS
Spinetoram, Total	<loq< td=""><td>0</td><td>1</td><td>PASS</td></loq<>	0	1	PASS
Spinosad, Total	<loq< td=""><td>0.01</td><td>0.2</td><td>PASS</td></loq<>	0.01	0.2	PASS
Spiromesifen	<loq< td=""><td>0.01</td><td>0.2</td><td>PASS</td></loq<>	0.01	0.2	PASS
Spirotetramat	<loq< td=""><td>0.01</td><td>0.2</td><td>PASS</td></loq<>	0.01	0.2	PASS
Spiroxamine	<loq< td=""><td>0</td><td>0.2</td><td>PASS</td></loq<>	0	0.2	PASS

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V3353.1

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Tebuconazole

Thiacloprid

Thiamethoxam

**Phyto-farma Labs** 

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<LOQ 0.01 <LOQ 0.01 <LOQ 0.01 **Certificate Of Analysis** 

0.4 PASS 0.2 PASS

0.2 PASS

Overall Status PASS

Analysis Instrument

30 Agilent LS-MS TQ

V144.9

Compliance

#### 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< td=""><td>0.3</td><td>1</td><td>PASS</td></loq<>	0.3	1	PASS
Chlordane	<loq< td=""><td>0.07</td><td>1</td><td>PASS</td></loq<>	0.07	1	PASS
Chlorfenapyr	<loq< td=""><td>0.1</td><td>1</td><td>PASS</td></loq<>	0.1	1	PASS
Coumaphos	<loq< td=""><td>0.19</td><td>1</td><td>PASS</td></loq<>	0.19	1	PASS
Cyfluthrin	<loq< td=""><td>0.11</td><td>1</td><td>PASS</td></loq<>	0.11	1	PASS
Cypermethrin	<loq< td=""><td>0.24</td><td>1</td><td>PASS</td></loq<>	0.24	1	PASS
Fipronil	<loq< td=""><td>0.17</td><td>0.4</td><td>PASS</td></loq<>	0.17	0.4	PASS
Imazalil	<loq< td=""><td>0.17</td><td>0.2</td><td>PASS</td></loq<>	0.17	0.2	PASS
Methyl parathion	<loq< td=""><td>0.09</td><td>0.2</td><td>PASS</td></loq<>	0.09	0.2	PASS
Pentachloronitrobenzene	<loq< td=""><td>0.17</td><td>1</td><td>PASS</td></loq<>	0.17	1	PASS
Trifloxystrobin	<loq< td=""><td>0.11</td><td>0.2</td><td>PASS</td></loq<>	0.11	0.2	PASS
			Overall Status	PASS

Analysis Instrument 141 GC/TQ

V177.7

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# **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< td=""><td>0.02</td></loq<>	0.02
alpha-Bisabolol	0.1	0.02
alpha-Humulene	0.2	0.03
alpha-Phellandrene	<loq< td=""><td>0.03</td></loq<>	0.03
alpha-Pinene	<loq< td=""><td>0.02</td></loq<>	0.02
alpha-Terpinene	<loq< td=""><td>0.01</td></loq<>	0.01
alpha-Terpineol	<loq< td=""><td>0.02</td></loq<>	0.02
beta-Myrcene	0.1	0.03
beta-Pinene	<loq< td=""><td>0.03</td></loq<>	0.03
Borneol	<loq< td=""><td>0.02</td></loq<>	0.02
Camphene	<loq< td=""><td>0.02</td></loq<>	0.02
Camphor	<loq< td=""><td>0.02</td></loq<>	0.02
Caryophyllene oxide	<loq< td=""><td>0.03</td></loq<>	0.03
Cedrene	<loq< td=""><td>0.02</td></loq<>	0.02
Cedrol	<loq< td=""><td>0.03</td></loq<>	0.03
cis-Nerolidol	<loq< td=""><td>0.03</td></loq<>	0.03
cis-Ocimene	<loq< td=""><td>0.03</td></loq<>	0.03
Eucalyptol	<loq< td=""><td>0.04</td></loq<>	0.04
Farnesene	<loq< td=""><td>0.04</td></loq<>	0.04
Fenchol	<loq< td=""><td>0.02</td></loq<>	0.02
Fenchone	<loq< td=""><td>0.03</td></loq<>	0.03
gamma-Terpinene	<loq< td=""><td>0.02</td></loq<>	0.02
gamma-Terpineol	<loq< td=""><td>0.02</td></loq<>	0.02
Geraniol	<loq< td=""><td>0.02</td></loq<>	0.02
Geranyl Acetate	<loq< td=""><td>0.03</td></loq<>	0.03

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	1 1101101 0 10 000 0001	
Guaiol	<loq< td=""><td>0.03</td></loq<>	0.03
Isoborneol	<loq< td=""><td>0.02</td></loq<>	0.02
Isopulegol	<loq< td=""><td>0.03</td></loq<>	0.03
Limonene	0.1	0.04
Linalool	0.1	0.02
Menthol	<loq< td=""><td>0.02</td></loq<>	0.02
Nerol	<loq< td=""><td>0.03</td></loq<>	0.03
Pulegone	<loq< td=""><td>0.03</td></loq<>	0.03
Sabinene	<loq< td=""><td>0.02</td></loq<>	0.02
Sabinene Hydrate	<loq< td=""><td>0.02</td></loq<>	0.02
Terpinolene	<loq< td=""><td>0.02</td></loq<>	0.02
trans-b-Ocimene	<loq< td=""><td>0.02</td></loq<>	0.02
trans-Caryophyllene	0.5	0.03
trans-Nerolidol	<loq< td=""><td>0.04</td></loq<>	0.04
Valencene	<loq< td=""><td>0.03</td></loq<>	0.03
TOTAL	1.1	

Analysis Instrument 29 GC-MS

V151.6

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#### **Trace Metals**

**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< td=""><td>0.13</td><td>2</td><td>PASS</td></loq<>	0.13	2	PASS
Arsenic (As)	0.117	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)	15.558	0.39	30	PASS
Lead (Pb)	0.262	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)	1.255	0.11	5	PASS
			Overall Status	PASS

Analyzed by ICP-MS

V114.33

**Water Activity** 

**PASS** 

**Date analyzed:** 12/20/2023

Method: NY.SOP.T.040.210

Analyst: Destiny Ribadeneyra

Date started: 12/19/2023 09:12 AM

Result (Aw)	LOQ	Allowable Limit	Pass/Fail
0.52	0.25	0.65	PASS

Analysis Instrument 103 Aqualab TDL 2

V131.60

Sample Comment: N/A

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Alicia Caruso-Thomas

Alicia Caruso-Thomas Laboratory Director 12/22/2023

#### **Phyto-farma Labs**

49 John Hicks Drive Warwick, NY 10990

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