Certificate of Analysis

Analytical Test Report

Client: *Aeterna* *OCM-AUCC-22-000037*	**Final Report**	**MCR-S24-00051 *Rev.02.00***	**Laboratory:** MCR Labs Julian England 315-541-4202 800 Broad Street Utica, NY 13501
	Report Date	*2/20/2024*	
	Lab Permit	OCM-CPL-2022-00008	
	Sample Collection Site	*Hudson, NY*	
	Sample Collection Date and Time	2/2/2024 11:45	

Sample ID #	Sample Name	Matrix	Sample Type	Date Received
S24-00051	RS11 #1	Flower	Adult Use	2/2/2024

Lot #	Lot Size (units)	***Number of Units Recieved***
1223-028	701	*8*

The test results presented in this report are accurate, complete, and compliant with the MCR Labs quality control criteria.

Authorization

Julian England

Lead Technical Director

Case Narrative

These results apply only to the items tested, as received, by MCR Labs New York. *Report revisions are italicized and underlined.*

Requested Testing

Test	Code	Procedure	Analytes Tested	Disposition
Cannabinoid Profile	CN	TM-NY-7	CBC, CBD, CBDA, CBDV, CBG, CBGA, CBN, Δ8-THC, Δ9-THC, (6aR,9S)-10-THC, (6aS,9S)-10-THC, THCV, THCVA	N/A
Moisture Content	MC	TM-NY-1	Moisture Content	Pass
Water Activity	WA	TM-NY-10	Water Activity	Pass
Heavy Metals Screen	HM	TM-NY-5	Arsenic (As), Cadmium (Cd), Mercury (Hg), Lead (Pb), Chromium (Cr), Copper (Cu), Nickel (Ni), Antimony (Sb)	Pass
Microbiological Screen	MB	TM-NY-3 TM-NY-8	Total Viable Aerobic Bacteria, Total Yeast and Mold, STEC, Salmonella, Aspergillus	Pass
Filth and Foreign Material	FFM	TM-NY-11	Mammalian Excreta, Stems (>3mm), Foreign Material	Pass

Cannabinoid Profile [TM-NY-7] Analyst: TC Test Date: 2/8/2024 16:37

Table 1 - S24-00051 RS11 #1 Flower Cannabinoid Testing

Analyte	Cannabinoid	Conc. (dry weight %)	LOD (weight %)	LOQ (weight %)
CBC	Cannabichromene	<LOQ	0.0044%	0.0500%
CBD	Cannabidiol	ND	0.0067%	0.0500%
CBDA	Cannabidiolic Acid	<LOQ	0.0051%	0.0500%
CBDV	Cannabidivarin	ND	0.0065%	0.0500%
CBG	Cannabigerol	0.07%	0.0057%	0.0500%
CBGA	Cannabigerolic Acid	0.48%	0.0062%	0.0500%
CBN	Cannabinol	<LOQ	0.0052%	0.0500%
Δ8-THC	Δ8-Tetrahydrocannabinol	ND	0.0188%	0.0500%
Δ9-THC	Δ9-Tetrahydrocannabinol	1.47%	0.0141%	0.0500%
Δ10R-THC	Δ10R-Tetrahydrocannabinol	ND	0.0055%	0.0500%
Δ10S-THC	Δ10S-Tetrahydrocannabinol	ND	0.0044%	0.0500%
THCV	Tetrahydrocannabivarin	ND	0.0085%	0.0500%
THCA	Tetryhydrocannabinolic Acid	26.03%	0.0057%	0.0500%
Total Active Cannabinoids (sum of above table)		28.05%	N/A	N/A
Total THC = THC + (THCA * 0.877)		24.30%	N/A	N/A
Total CBD = CBD + (CBDA * 0.877)		ND	N/A	N/A

Note: There are no limits esablished by the New York Office of Cannabis Management for cannabinoid concentrations.
ND = Not Detected; LOQ = Limit of Quantitation; LOD = Limit of Detection.
Δ10R-THC = (6aR,9S)-10-THC; Δ10S-THC = (6aS,9S)-10-THC

Moisture Content [TM-NY-1] Analyst: BS Test Date: 2/5/2024 15:55

Table 2 - S24-00051 RS11 #1 Flower Moisture Content Testing

Test Analysis	Conc. (weight %)	Regulatory Limits	Disposition
Moisture Content	12.8	15.0%	Pass

Note: Testing limits are based on the limits set forth by the New York Office of Cannabis Management pursuant to 9 New York Codes, Rules and Regulations (NYCRR) Part 130 and Cannabis Law. Measurement uncertainty is not factored in the disposition.
ND = Not Detected.

Water Activity [TM-NY-10] Analyst: BS Test Date: 2/5/2024 12:30

Table 3 - S24-00051 RS11 #1 Flower Water Activity Testing

Test Analysis	Result	Limits	Disposition
Water Activity	0.4605	≤ 0.65	Pass

Note: Testing limits are based on the limits set forth by the New York Office of Cannabis Management pursuant to 9 New York Codes, Rules and Regulations (NYCRR) Part 130 and Cannabis Law. Measurement uncertainty is not factored in the disposition.
ND = Not Detected.

Heavy Metals Screen [TM-NY-5] Analyst: BS/JE Test Date: 2/8/2024 14:19

Table 4 - S24-00051 RS11 #1 Flower Heavy Metals Testing

Test Analysis	Result (µg/g)	LOD (µg/g)	LOQ (µg/g)	Limits (µg/g)	Disposition
Arsenic	<LOQ	0.007	0.04	0.2	Pass
Cadmium	0.07	0.017	0.06	0.3	Pass
Mercury	ND	0.114	0.04	0.1	Pass
Lead	ND	0.007	0.09	0.5	Pass
Chromium	ND	0.645	20	110	Pass
Copper	18.44	0.208	5.46	30	Pass
Nickel	ND	0.163	0.36	5	Pass
Antimony	ND	0.019	0.36	2	Pass

Note: Testing limits are based on the limits set forth by the New York Office of Cannabis Management pursuant to 9 New York Codes, Rules and Regulations (NYCRR) Part 130 and Cannabis Law.
ND = Not Detected; LOD = Limit of Detection; LOQ = Limit of Quantitation.

Microbiological Screen [TM-NY-3] Analyst: TC Test Date: 2/5/2024 12:32

Table 5 - S24-00051 RS11 #1 Flower Microbiological Testing

Test Analysis	Result	Unit	Limits	Disposition
Total Viable Aerobic Bacteria	5300	CFU/g	No Limit	N/A
Total Yeast and Mold	29000	CFU/g	No Limit	N/A

Note: Testing limits are based on the limits set forth by the New York Office of Cannabis Management pursuant to 9 New York Codes, Rules and Regulations (NYCRR) Part 130 and Cannabis Law.
CFU = Colony Forming Unit.

Microbiological Screen [TM-NY-8] Analyst: TC Test Date: 2/5/2024 12:32

Table 6 - S24-00051 RS11 #1 Flower Microbiological Testing

Test Analysis	Result	Unit	Limits	Disposition
STEC	*Negative*	N/A	Not detected in 1g	Pass
Salmonella	*Negative*	N/A	Not detected in 1g	Pass
Aspergillus	*Negative*	N/A	Not detected in 1g	Pass

Note: Testing limits are based on the limits set forth by the New York Office of Cannabis Management pursuant to 9 New York Codes, Rules and Regulations (NYCRR) Part 130 and Cannabis Law.
STEC = Shiga Toxin producing E. coli.

Filth and Foreign Material [TM-NY-11] Analyst: JE Test Date: 2/3/2024 11:00

Table 7 - S24-00051 RS11 #1 Flower Filth and Foreign Material Testing

Test Analysis	Result	Units	Limits	Disposition
Mammalian Excreta	ND	mg	1 mg	Pass
Stems (>3mm)	ND	%	5%	Pass
Foreign Material	ND	%	2%	Pass

Note: Testing limits are based on the limits set forth by the New York Office of Cannabis Management pursuant to 9 New York Codes, Rules and Regulations (NYCRR) Part 130 and Cannabis Law.
ND = Not Detected.

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Date Released: 2/7/2024 2:18:48PM

Report #: 10653

Total Terpenes
1.1 %

Pesticides
PASS

Mycotoxins
PASS

S24-00051 RS11 #1

Sample #: 3783, **Weight:** 2.65g, **Unit Count:**
Order #: X240205-0001
Category/Type: Plant, Flower - Cured
Date Collected: 2/5/2024 3:33:07PM
Date Received: 2/5/2024 4:10:14PM
Regulator Sample ID: 1023-028
Regulator Source Package ID: 1023-028
Regulator Batch ID: 1023-028

Size: Not Provided, **Unit Count:**

Terpenes by HS-GC-MS

Date Completed: 02/07/2024 12:11PM

Compound	CAS#	LOQ (%)	%
Linalool	78-70-6	0.1000	0.3147
Beta-caryophyllene	87-44-5	0.1000	0.2786
Limonene	5989-27-5	0.1000	0.2635
Farnesene	502-61-4	0.1000	0.2182
Beta-myrcene	123-35-3	0.1000	ND
Alpha-pinene	80-56-8	0.1000	ND
Alpha-humulene	6753-98-6	0.1000	ND
Beta-pinene	127-91-3	0.1000	ND
Terpinolene	586-62-9	0.1000	ND
Borneol	464-45-9	0.1000	ND
Ocimene	13877-91-3	0.1000	ND

Relative Concentration

This product has been tested by KST using valid testing methodologies and a quality management system required by law. Values reported relate only to the product tested. KST makes no claim as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compound reported herein.

If sampled by Keystone State Testing, sampling followed SOP-P-NY500 at the client facility listed above.

Keystone State Testing of New York
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www.KeystoneStateTesting.com
Permit #: OCM-CPL-2022-00007

ACCREDITED
CERTIFICATE NUMBER 4405.03

Dr. Kelly Greenland, Lab Director

Report Date: 02/07/2024 2:22:45PM

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Sample #: 3783 **S24-00051 RS11 #1**

Compound	CAS#	LOQ (%)	%	Relative Concentration
Alpha-bisabolol	515-69-5	0.1000	ND	
Caryophyllene-oxide	1139-30-6	0.1000	ND	
Geraniol	106-24-1	0.1000	ND	
Camphene	79-92-5	0.1000	ND	
Guaiol	489-86-1	0.1000	ND	
Alpha-terpinene	99-86-5	0.1000	ND	
Terpineol	8006-39-1	0.1000	ND	
Fenchol	14575-74-7	0.1000	ND	
Valencene	4630-07-3	0.1000	ND	
Alpha-phellandrene	99-83-2	0.1000	ND	
Camphor	464-49-3	0.1000	ND	
3-Carene	13466-78-9	0.1000	ND	
Alpha-cedrene	469-61-4	0.1000	ND	
Cedrol	77-53-2	0.1000	ND	
Eucalyptol	470-82-6	0.1000	ND	
Fenchone	1195-79-5	0.1000	ND	
Gamma-terpinene	99-85-4	0.1000	ND	
Geranyl Acetate	105-87-3	0.1000	ND	
Isopulegol	89-79-2	0.1000	ND	
Menthol	15356-70-4	0.1000	ND	
Nerol	106-25-2	0.1000	ND	
Nerolidol		0.1000	ND	
Pulegone	89-82-7	0.1000	ND	
Sabinene	3387-41-5	0.1000	ND	
Sabinene Hydrate	546-79-2	0.1000	ND	

Test Comment: Terpenes tested by GCMS using P-NY210. Unless otherwise stated, all QC passed.

If sampled by Keystone State Testing, sampling followed SOP-P-NY500 at the client facility listed above.

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Sample #: 3783 **S24-00051 RS11 #1**

Pesticides by LCMSMS

Pass

Analysis Date: 02/07/2024 11:38 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Abamectin	0.0100	0.500	ND	Pass
Acephate	0.0100	0.400	ND	Pass
Acequinocyl	0.0100	2.00	ND	Pass
Acetamiprid	0.0100	0.200	ND	Pass
Aldicarb	0.0100	0.400	ND	Pass
Azadirachtin	0.0100	1.00	ND	Pass
Azoxystrobin	0.0100	0.200	ND	Pass
Bifenazate	0.0100	0.200	ND	Pass
Bifenthrin	0.0100	0.200	ND	Pass
Boscalid	0.0100	0.400	ND	Pass
Captan	0.0100	1.00	ND	Pass
Carbaryl	0.0100	0.200	ND	Pass
Carbofuran	0.0100	0.200	ND	Pass
Chlorantraniliprole	0.0100	0.200	ND	Pass
Chlordane-alpha	0.0100	1.00	ND	Pass
Chlorfenapyr	0.0100	1.00	ND	Pass
Chlormequat Chloride	0.0100	1.00	ND	Pass
Chlorpyrifos	0.0100	0.200	ND	Pass
Clofentezine	0.0100	0.200	ND	Pass
Coumaphos	0.0100	1.00	ND	Pass
Cyfluthrin	0.0100	1.00	ND	Pass
Cypermethrin	0.0100	1.00	ND	Pass
Daminozide	0.0100	1.00	ND	Pass
Diazinon	0.0100	0.200	ND	Pass
Dichlorvos	0.0100	1.00	ND	Pass
Dimethoate	0.0100	0.200	ND	Pass

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Pesticides by LCMSMS

Pass

Analysis Date: 02/07/2024 11:38 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Dimethomorph	0.0100	1.00	ND	Pass
Ethoprophos	0.0100	0.200	ND	Pass
Etofenprox	0.0100	0.400	ND	Pass
Etoxazole	0.0100	0.200	ND	Pass
Fenhexamid	0.0100	1.00	ND	Pass
Fenoxycarb	0.0100	0.200	ND	Pass
Fenpyroximate	0.0100	0.400	ND	Pass
Fipronil	0.0100	0.400	ND	Pass
Flonicamid	0.0100	1.00	ND	Pass
Fludioxonil	0.0100	0.400	ND	Pass
Hexythiazox	0.0100	1.00	ND	Pass
Imazalil	0.0100	0.200	ND	Pass
Imidacloprid	0.0100	0.400	ND	Pass
Indolebutyric Acid	0.0100	1.00	ND	Pass
Kresoxim-methyl	0.0100	0.400	ND	Pass
Malathion	0.0100	0.200	ND	Pass
Metalaxyl	0.0100	0.200	ND	Pass
Methiocarb	0.0100	0.200	ND	Pass
Methomyl	0.0100	0.400	ND	Pass
Methyl Parathion	0.0100	0.200	ND	Pass
Mevinphos	0.0100	1.00	ND	Pass
MGK-264	0.0100	0.200	ND	Pass
Myclobutanil	0.0100	0.200	ND	Pass
Naled	0.0100	0.500	ND	Pass
Oxamyl	0.0100	1.00	ND	Pass
Paclobutrazol	0.0100	0.400	ND	Pass

This product has been tested by KST using valid testing methodologies and a quality management system required by law. Values reported relate only to the product tested. KST makes no claim as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compound reported herein.

If sampled by Keystone State Testing, sampling followed SOP-P-NY500 at the client facility listed above.

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Pesticides by LCMSMS

Pass

Analysis Date: 02/07/2024 11:38 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Pentachloronitrobenzene	0.0100	1.00	ND	Pass
Permethrins, Total	0.0100	0.200	ND	Pass
Phosmet	0.0100	0.200	ND	Pass
Piperonyl Butoxide	0.0100	2.00	ND	Pass
Prallethrin	0.0100	0.200	ND	Pass
Propiconazole	0.0100	0.400	ND	Pass
Propoxur	0.0100	0.200	ND	Pass
Pyrethrins Total	0.0100	1.00	ND	Pass
Pyridaben	0.0100	0.200	ND	Pass
Spinetoram Total	0.0100	1.00	ND	Pass
Spinosad Total	0.0100	0.200	ND	Pass
Spiromesifen	0.0100	0.200	ND	Pass
Spirotetramat	0.0100	0.200	ND	Pass
Spiroxamine	0.0100	0.200	ND	Pass
Tebuconazole	0.0100	0.400	ND	Pass
Thiacloprid	0.0100	0.200	ND	Pass
Thiamethoxam	0.0100	0.200	ND	Pass
Trifloxystrobin	0.0100	0.200	ND	Pass

Comment: Pesticides tested by LCMSMS by using P-NY150. Unless otherwise stated, all QC passed.

Mycotoxins by LCMSMS

Pass

Analysis Date: 02/07/2024 11:41 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Aflatoxin B1	0.0050	0.020	ND	Pass
Aflatoxin B2	0.0050	0.020	ND	Pass
Aflatoxin G1	0.0050	0.020	ND	Pass
Aflatoxin G2	0.0050	0.020	ND	Pass

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If sampled by Keystone State Testing, sampling followed SOP-P-NY500 at the client facility listed above.

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Sample #: 3783 **S24-00051 RS11 #1**

Mycotoxins by LCMSMS

Pass

Analysis Date: 02/07/2024 11:41 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Ochratoxin A	0.0050	0.020	ND	Pass
Total Aflatoxin	0.0050	0.020	ND	Pass

Comment: Mycotoxin contamination tested by LCMSMS using P-NY125. Unless otherwise stated, all QC passed.

If sampled by Keystone State Testing, sampling followed SOP-P-NY500 at the client facility listed above.

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