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GAMA Report ID: REVC-13642  
Report Submitted: 05/20/2024  
Revision: 1

**Client Info**

Revolutionary Clinics  
1 Oak Hill Road Unit B Fitchburg, MA 01420  
License: MC281507  
Metrc Manifest: 2222918  
Date Received: 5/7/2024

**Sample Identification**

METRC Batch ID: KMZ P1 032724 204 BF  
METRC Sample ID: 1A40A03000003E9000013642  
METRC Source ID: 1A40A03000003E9000013667  
ME Batch ID: N/A  
QBench Order ID: REVC7033

**Sample Properties**

Sample Weight (g): 7

**Product Characterization**

Production Stage: Raw Plant Material  
Product Class: Buds  
Retail Name: Kush Mintz

**Results for Requested Analyses**

Y = Tested "-" = Not Tested P = Pass F = Fail

Cannabinoid  
Profile

Y

Terpene  
Profile

Y

Heavy  
Metals

P

Residual  
Solvents

-

Pesticides

P

Total Yeast and  
Mold

P

Mycotoxins

P

Pathogenic  
Bacteria

P

Total  
Coliforms

P

Total Aerobic  
Bacteria

P

Entero-  
bacteriaceae

P

Vitamin E  
Acetate

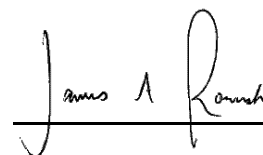
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**Authorization**

Green Analytics Massachusetts is an Independent Testing Laboratory accredited to ISO/IEC 17025:2017 and licensed by the Massachusetts Cannabis Control Commission (CCC, # IL281277). Analytical methods and best-practices used are in compliance with the CCC's Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for MA Registered Medical Marijuana Dispensaries. The net/gross weight of the sample received was verified and all analyses were conducted at the GAMA laboratory. Quality control checks were prepared at known concentrations and run alongside batched client samples. Results presented here pertain to the sample received and relate only to items tested per sub-sampling SOP-071-GA. This Analytical Report shall not be reproduced except in full without GAMA approval. Where statements of conformity are reported ('pass' vs. 'fail'), the simple acceptance decision rule is applied, however the measurement uncertainty associated with the test method applied (not displayed in this simplified report) may impact the certainty with which a statement of conformity is made. This simplified report may not display all test methods' limits of detection (LODs), however this data is also available upon request.

**Reason for Revision**

Correction to METRC Batch ID.



James Roush  
Laboratory Director

## Cannabinoid Profile

Metric ID Tag: 1A40A03000003E9000013642

Test ID: #639345

Analysis Date: 05/08/2024

Cannabinoids were analyzed using a High Performance Liquid Chromatograph equipped with a Photodiode Array Detector (HPLC-PDA) following GAMA SOP-002-GA; SOP-025-GA; SOP-073-GA.

Cannabinoid	LOQ (%)	Result (%)	Result (mg/g)
Tetrahydrocannabinolic acid (THCA)	0.097	18.847	188.47
Δ9-Tetrahydrocannabinol (Δ9-THC)	0.121	0.904	9.04
Cannabidiolic acid (CBDA)	0.126	ND	ND
Cannabidiol (CBD)	0.120	ND	ND
Cannabinol (CBN)	0.110	ND	ND
Cannabichromene (CBC)	0.110	ND	ND
Cannabigerolic acid (CBGA)	0.114	0.921	9.21
Cannabigerol (CBG)	0.109	0.309	3.09
Cannabidivarin (CBDV)	0.110	ND	ND
Tetrahydrocannabivarin (THCV)	0.110	ND	ND
Δ8-Tetrahydrocannabinol (Δ8-THC)	0.110	ND	ND
<b>Total Cannabinoids</b>	<b>20.981</b>	<b>20.981</b>	<b>209.81</b>

Note "NT": Not Tested; "ND": Not Detected; "LOQ": Limit of Quantitation; "BLQ": Below LOQ.

## Heavy Metals Analysis

Metric ID Tag: 1A40A03000003E9000013642

Test ID: #639347

Analysis Date: 05/10/2024

Heavy Metals were analyzed using an Inductively Coupled Plasma Mass Spectrometer (ICP-MS) following GAMA SOP-021-GA; SOP-061-GA; SOP-072-GA. - **Limit units: ppb**

Analyte	LOQ (ppb)	Result (ppb)	Limit	Pass/Fail
Total Arsenic	151.422	ND	200	PASS
Cadmium	151.422	ND	200	PASS
Total Mercury	75.712	ND	100	PASS
Lead	151.422	ND	500	PASS

Note "NT": Not Tested; "ND": Not Detected; "LOQ": Limit of Quantitation; "BLQ": Below LOQ.

## Microbial Contaminants Analysis

Metric ID Tag: 1A40A03000003E9000013642

Test IDs: 639355, 639354, 639353, 639350

Microbial Contaminants were measured using a quantitative PCR (qPCR) technique from which the resulting Cq values were converted to colony forming units per gram (CFU/g) following GAMA SOP-701-GA; SOP-702-GA; SOP-703-GA; SOP-704-GA. - **Limit units: CFU/g**

Analyte	Result (CFU/g)	Analysis Date	Limit (CFU/g)	Finding
Total Yeast and Mold (TYM)	ND	05/08/2024	10000	PASS
Total Viable Aerobic Bacteria (TAC)	414	05/08/2024	100000	PASS
Total Coliforms (TC)	ND	05/08/2024	1000	PASS
Enterobacteriaceae (EB)	ND	05/08/2024	1000	PASS

Note "NT": Not Tested; "ND": Not Detected.

## Pathogenic Bacteria Results

Metric ID Tag: 1A40A03000003E9000013642

Test IDs: 639351, 639352

The presence or absence of STEC E. coli and Salmonella spp in the sample was determined using a PCR technique. Samples were incubated for a minimum of 18 hours prior to DNA extraction following GAMA SOP-701-GA; SOP-702-GA; SOP-703-GA; SOP-704-GA. - **Limit units: CFU/g**

Analyte	Result	Analysis Date	Limit	Finding
STEC E. Coli	Not Detected in 1g	05/10/2024	Detection in 1.0 g	PASS
Salmonella spp.	Not Detected in 1g	05/10/2024	Detection in 1.0 g	PASS

Note "NT": Not Tested; "ND": Not Detected.

## Mycotoxins Results

Metric ID Tag: 1A40A03000003E9000013642

Test ID: #639349

Analysis Date: 05/12/2024

Mycotoxins were analyzed using a High Performance Liquid Chromatograph equipped with a tandem Mass Spectrometer (LC/MS/MS) following GAMA SOP-002-GA; SOP-062-GA; SOP-070-GA. - **Limit units: µg/kg**

Analyte	LOQ (ppb)	Result (ppb)	Limit (ppb)	Finding
Aflatoxin B1	10.000	ND	20	PASS
Aflatoxin B2	10.000	ND	20	PASS
Aflatoxin G1	10.000	ND	20	PASS
Aflatoxin G2	10.000	ND	20	PASS
Ochratoxin A	10.000	ND	20	PASS

Note "NT": Not Tested; "ND": Not Detected; "LOQ": Limit of Quantitation; "BLQ": Below LOQ.

## Pesticides Results

Metric ID Tag: 1A40A03000003E9000013642

Test ID: #639348

Analysis Date: 05/12/2024

Pesticides were analyzed using a High Performance Liquid Chromatograph equipped with a tandem Mass Spectrometer (LC/MS/MS) following GAMA SOP-002-GA; SOP-062-GA; SOP-070-GA. - **Limit units: ppb**

Analyte	LOQ (ppb)	Result (ppb)	Limit (ppb)	Finding
Bifenazate	5.000	ND	10	PASS
Bifenthrin	5.000	ND	10	PASS
Cyfluthrin	5.000	ND	10	PASS
Etoxazole	5.000	ND	10	PASS
Imazalil	5.000	ND	10	PASS
Imidacloprid	5.000	ND	10	PASS
Myclobutanil	5.000	ND	10	PASS
Spiromesifen	5.000	ND	10	PASS
Trifloxystrobin	5.000	ND	10	PASS

Note "NT": Not Tested; "ND": Not Detected; "LOQ": Limit of Quantitation; "BLQ": Below LOQ.

## Terpenes Profile

Metric ID Tag: 1A40A03000003E9000013642

Test ID: #639346

Analysis Date: 05/10/2024

Terpenes were analyzed using a Liquid Injection Autosampler coupled to a Gas Chromatograph equipped with a tandem Mass Spectrometer (GC/MS/MS) following GAMA SOP-002-MA; SOP-063-MA; SOP-069-MA.

Analyte	LOQ (%)	Result (%)	Result (mg/g)
α-Pinene	0.010	0.198	1.98
β-Pinene	0.010	0.130	1.3
β-Myrcene	0.010	0.087	0.87
Limonene	0.010	0.654	6.54
Terpinolene	0.010	0.010	0.1
Linalool	0.010	0.107	1.07
Caryophyllene	0.010	0.667	6.67
α-Humulene	0.010	0.193	1.93
Caryophyllene Oxide	0.010	0.014	0.14
α-Bisabolol	0.010	BLQ	BLQ
<b>Total Terpenes</b>		<b>2.060</b>	<b>20.6</b>

Note "NT": Not Tested; "ND": Not Detected; "LOQ": Limit of Quantitation; "BLQ": Below LOQ.