Green Analytics

Analytical Report

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GAMA Report ID: REVC-35860
Report Submitted: 4/19/2024

Client Info	
	Revolutionary Clinics
	1 Oak Hill Road Unit B Fitchburg, MA 01420
License:	MC281507
Metrc Manifest:	2184922
Date Received:	4/15/2024

Sample Identification	
METRC Batch ID:	GC P1.1 031424 205 BF
METRC Sample ID:	1A40A03000003E9000035860
METRC Source ID:	1A40A03000003E9000035626
ME Batch ID:	N/A
QBench Order ID:	REVC6735

Sample Properties	
Sample Weight (g):	9.23

Product Characterization	
Production Stage:	Raw Plant Material
Product Class:	Buds
Retail Name:	Gelatti Cookies

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	-

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. 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.

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A2LA ACCREDITED
CERT #s 4356.04 ; 4356.05

Kimberly Ross, PhD
Laboratory Director

Cannabinoid Profile

Metrc Id Tag: 1A40A03000003E9000035860
Test ID: #612994
Analysis Date: 04/16/2024

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 (%)	%	mg/g
Tetrahydrocannabinolic acid (THCA)	0.097	19.570	195.70
Δ9-Tetrahydrocannabinol (Δ9-THC)	0.121	0.682	6.82
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	2.578	25.78
Cannabigerol (CBG)	0.109	0.292	2.92
Cannabidivarin (CBDV)	0.110	ND	ND
Tetrahydrocannabivarin (THCV)	0.110	ND	ND
Δ8-Tetrahydrocannabinol (Δ8-THC)	0.110	ND	ND
Total Cannabinoids		**23.122**	**231.22**

Note "NT": Not Tested; "ND": Not Detected; "BLQ": Below limit of Quantification.

Heavy Metals Analysis

Metrc Id Tag: 1A40A03000003E9000035860
Test ID: #612997
Analysis Date: 04/18/2024

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	BLQ	100	PASS
Lead	151.422	ND	500	PASS

Note "NT": Not Tested; "ND": Not Detected; "BLQ": Below limit of Quantification.

Microbial Contaminants Analysis

Metrc Id Tag: 1A40A03000003E9000035860
Test IDs:613005, 613004, 613003, 613000

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)	2508	04/17/2024	10000	PASS
Total Viable Aerobic Bacteria (TAC)	215	04/17/2024	100000	PASS
Total Coliforms (TC)	ND	04/17/2024	1000	PASS
Enterobacteriaceae (EB)	ND	04/17/2024	1000	PASS

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

Pathogenic Bacteria Results

Metrc Id Tag: 1A40A03000003E9000035860
Test IDs:613001, 613002

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	04/17/2024	Detection in 1.0 g	PASS
Salmonella spp.	Not Detected in 1g	04/17/2024	Detection in 1.0 g	PASS

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

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Mycotoxins Results — Metrc Id Tag: 1A40A03000003E9000035860
Test ID: #612999 — Analysis Date: 04/19/2024

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; "BLQ": Below limit of Quantification.

Pesticides Results — Metrc Id Tag: 1A40A03000003E9000035860
Test ID: #612998 — Analysis Date: 04/19/2024

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; "BLQ": Below limit of Quantification.

Terpenes Profile — Metrc Id Tag: 1A40A03000003E9000035860
Test ID: #612996 — Analysis Date: 04/17/2024

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-011-GA; SOP-067-GA; SOP-010-GA.

Analyte	LOQ (%)	Result (%)	Result (mg/g)
α-Pinene	0.010	0.048	0.48
β-Pinene	0.010	0.024	0.24
β-Myrcene	0.010	0.734	7.34
Limonene	0.010	0.069	0.69
Terpinolene	0.010	BLQ	BLQ
Linalool	0.010	0.050	0.5
Caryophyllene	0.010	0.216	2.16
α-Humulene	0.010	0.051	0.51
Caryophyllene Oxide	0.010	BLQ	BLQ
α-Bisabolol	0.010	BLQ	BLQ
Total Terpenes		**1.192**	**11.92**

Note "NT": Not Tested; "ND": Not Detected; "BLQ": Below limit of Quantification.

- End of Analytical Report -