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GAMA Report ID: ARUC-22182  
Report Submitted: 11/12/2024

**Client Info**

Green Theory Cultivation, LLC  
845 Pleasant Street Lee, MA 01238  
License: MC282665  
Metrc Manifest: 2572930  
Date Received: 11/8/2024

**Sample Identification**

METRC Batch ID: MCS-10232024-GH3-AA  
METRC Sample ID: 1A40A030000972E000022182  
METRC Source ID: 1A40A030000972E000022153  
ME Batch ID: N/A  
QBench Order ID: ARUC9676

**Sample Properties**

Sample Weight (g): N/A  
Serving Size (g): 6.61

**Product Characterization**

Production Stage: Raw Plant Material  
Product Class: Buds  
Retail Name: M00003328401: MAC Stomper - Raw Flower

**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

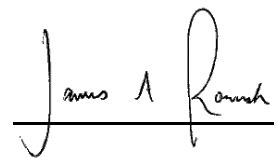
P

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 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.



James Roush  
Laboratory Director

## Cannabinoid Profile

Metric ID Tag: 1A40A030000972E000022182

Test ID: #886736

Analysis Date: 11/10/2024

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)	0.040	29.154	291.54
Δ9-Tetrahydrocannabinol (Δ9-THC)	0.040	0.295	2.95
Cannabidiolic acid (CBDA)	0.040	ND	ND
Cannabidiol (CBD)	0.040	ND	ND
Cannabinol (CBN)	0.040	ND	ND
Cannabichromene (CBC)	0.040	ND	ND
Cannabigerolic acid (CBGA)	0.040	1.803	18.03
Cannabigerol (CBG)	0.040	0.281	2.81
Cannabidivarin (CBDV)	0.040	ND	ND
Tetrahydrocannabivarin (THCV)	0.040	ND	ND
Δ8-Tetrahydrocannabinol (Δ8-THC)	0.040	ND	ND
<b>Total Cannabinoids</b>		<b>31.533</b>	<b>315.33</b>

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

## Heavy Metals Analysis

Metric ID Tag: 1A40A030000972E000022182

Test ID: #886738

Analysis Date: 11/11/2024

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	132.9	ND	200	PASS
Cadmium	131.7	ND	200	PASS
Total Mercury	88.0	BLQ	100	PASS
Lead	175.8	ND	500	PASS

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

## Microbial Contaminants Analysis

Metric ID Tag: 1A40A030000972E000022182

Test IDs: 886746, 886745, 886744, 886741

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)	121	11/10/2024	10000	PASS
Total Viable Aerobic Bacteria (TAC)	241	11/10/2024	100000	PASS
Total Coliforms (TC)	ND	11/10/2024	1000	PASS
Enterobacteriaceae (EB)	ND	11/10/2024	1000	PASS

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

## Pathogenic Bacteria Results

Metric ID Tag: 1A40A030000972E000022182

Test IDs: 886742, 886743

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	11/11/2024	Detection in 1.0 g	PASS
Salmonella spp.	Not Detected in 1g	11/11/2024	Detection in 1.0 g	PASS

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

## Mycotoxins Results

Metric ID Tag: 1A40A030000972E000022182

Test ID: #886740

Analysis Date: 11/12/2024

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	10.0	ND	20	PASS
Aflatoxin B2	10.0	ND	20	PASS
Aflatoxin G1	10.0	ND	20	PASS
Aflatoxin G2	10.0	ND	20	PASS
Ochratoxin A	10.0	ND	20	PASS

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

## Pesticides Results

Metric ID Tag: 1A40A030000972E000022182

Test ID: #886739

Analysis Date: 11/12/2024

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	5.0	ND	10	PASS
Bifenthrin	5.0	ND	10	PASS
Cyfluthrin	5.0	ND	10	PASS
Etoxazole	5.0	ND	10	PASS
Imazalil	5.0	ND	10	PASS
Imidacloprid	5.0	ND	10	PASS
Myclobutanil	5.0	ND	10	PASS
Spiromesifen	5.0	ND	10	PASS
Trifloxystrobin	5.0	ND	10	PASS

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

## Terpenes Profile

Metric ID Tag: 1A40A030000972E000022182

Test ID: #886737

Analysis Date: 11/11/2024

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	0.01	0.280	2.8
β-Pinene	0.01	0.176	1.76
β-Myrcene	0.01	0.074	0.74
Limonene	0.01	1.035	10.35
Terpinolene	0.01	0.020	0.2
Linalool	0.01	0.275	2.75
Caryophyllene	0.01	0.367	3.67
α-Humulene	0.01	0.101	1.01
Caryophyllene Oxide	0.01	0.016	0.16
α-Bisabolol	0.01	0.071	0.71
<b>Total Terpenes</b>		<b>2.415</b>	<b>24.15</b>

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