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GAMA Report ID: MAY4-05721  
Report Submitted: 1/26/2025

Client Info
Mayflower Medicinals, Inc. 1100 Innovation Way, FKA Lot 183 Fall River, MA 02722 License: MP281858 Metrc Manifest: 2708283 Date Received: 1/23/2025

Sample Identification
METRC Batch ID: N/A METRC Sample ID: 1A40A030000E809000005721 METRC Source ID: 1A40A030000E809000005719 ME Batch ID: N/A QBench Order ID: MAY410553

Sample Properties
Sample Weight (g): 8

Product Characterization
Production Stage: Inhalable Concentrate Product Class: Vape Extraction Solvent: Ethanol Retail Name: M00003820011: BL Clementine Coma - Vape 1.0g

## Results for Requested Analyses Y = Tested "-" = Not Tested P = Pass F = Fail

Cannabinoid Profile	Y	Terpene Profile	Y	Heavy Metals	P	Residual Solvents	P	Pesticides	-	Total Yeast and Mold	P
Mycotoxins	P	Pathogenic Bacteria	P	Total Coliforms	P	Total Aerobic Bacteria	P	Enterobacteriaceae	P	Vitamin E Acetate	P

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-MA. 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**

Metrc ID Tag: 1A40A030000E809000005721

Test ID: #968618

Analysis Date: 01/26/2025

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

Cannabinoid	LOQ (%)	Result (%)	Result (mg/g)
Tetrahydrocannabinolic acid (THCA)	0.200	ND	ND
Δ9-Tetrahydrocannabinol (Δ9-THC)	0.200	88.747	887.47
Cannabidiolic acid (CBDA)	0.200	ND	ND
Cannabidiol (CBD)	0.200	ND	ND
Cannabinol (CBN)	0.200	0.248	2.48
Cannabichromene (CBC)	0.200	0.527	5.27
Cannabigerolic acid (CBGA)	0.200	ND	ND
Cannabigerol (CBG)	0.200	2.375	23.75
Cannabidivarin (CBDV)	0.200	ND	ND
Tetrahydrocannabivarin (THCV)	0.200	0.630	6.30
Δ8-Tetrahydrocannabinol (Δ8-THC)	0.200	ND	ND
<b>Total Cannabinoids</b>		<b>92.527</b>	<b>925.27</b>

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

**Heavy Metals Analysis**

Metrc ID Tag: 1A40A030000E809000005721

Test ID: #968619

Analysis Date: 01/26/2025

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

Analyte	LOQ (ppb)	Result (ppb)	Limit	Pass/Fail
Total Arsenic	124.4	ND	200	PASS
Cadmium	82.9	BLQ	200	PASS
Total Mercury	82.9	BLQ	100	PASS
Lead	207.3	ND	500	PASS

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

**Plating Microbial Contaminants Analysis**

Metrc ID Tag: 1A40A030000E809000005721

Test IDs: 968622, 968623, 968624, 968625

Microbial contaminants were quantified using a 3M Petrifilm method and reported as colony forming units per gram (CFU/g). Samples were extracted and analyzed following GAMA SOP-700-MA. - **Limit units: CFU/g**

Analyte	Result	Analysis Date	Limit	Finding
Total Yeast and Mold (TYM)	ND	01/26/2025	1000	PASS
Total Viable Aerobic Bacteria (TAC)	ND	01/26/2025	10000	PASS
Total Coliforms (TC)	ND	01/26/2025	100	PASS
Enterobacteriaceae (EB)	ND	01/26/2025	100	PASS

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

**Pathogenic Bacteria Results**

Metrc ID Tag: 1A40A030000E809000005721

Test IDs: 968626, 968627

The presence or absence of STEC E. coli and Salmonella spp. was determined using a PCR technique. Samples were incubated for a minimum of 18 hours prior to plating and analyzed following GAMA SOP-700-MA. - **Limit units: CFU/g**

Analyte	Result	Analysis Date	Limit	Finding
STEC E. Coli	Not Detected in 1g	01/26/2025	Detection in 1.0 g	PASS
Salmonella spp.	Not Detected in 1g	01/26/2025	Detection in 1.0 g	PASS

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

## Mycotoxins Results

Metric ID Tag: 1A40A030000E809000005721

Test ID: #968621

Analysis Date: 01/26/2025

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

Analyte	LOQ (ppb)	Result (ppb)	Limit (ppb)	Finding
Aflatoxin B1	20.0	ND	20	PASS
Aflatoxin B2	20.0	ND	20	PASS
Aflatoxin G1	20.0	ND	20	PASS
Aflatoxin G2	20.0	ND	20	PASS
Ochratoxin A	20.0	ND	20	PASS

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

## Residual Solvent Results

Metric ID Tag: 1A40A030000E809000005721

Test ID: #968620

Analysis Date: 01/26/2025

Residual Solvents were analyzed using a Headspace Autosampler coupled to a Gas Chromatograph equipped with a tandem Mass Spectrometer (HS-GC/MS/MS) following GAMA SOP-011-MA; SOP-067-MA; SOP-010-MA. - **Limit units: ppm**

Analyte	LOQ (ppm)	Result (ppm)	Limit	Pass/Fail
Ethanol	189.50	ND	5000	PASS

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

## Vitamin E Acetate Results

Metric ID Tag: 1A40A030000E809000005721

Test ID: #968617

Analysis Date: 01/26/2025

Vitamin E Acetate was analyzed using a High Performance Liquid Chromatograph equipped with a tandem Mass Spectrometer (LC/MS/MS) following GAMA SOP-002-MA; SOP-025-MA; SOP-073-MA. - **Limit units: ppb**

Analyte	Result (ppb)	Pass/Fail
Vitamin E Acetate	ND	PASS

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

## Terpenes Profile

Metrc ID Tag: 1A40A030000E809000005721

Test ID: #968616

Analysis Date: 01/26/2025

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	0.229	2.29
Camphene	0.01	0.040	0.4
Sabinene	0.01	BLQ	BLQ
β-Pinene	0.01	0.219	2.19
β-Myrcene	0.01	0.735	7.35
Phellandrene	0.01	0.038	0.38
Carene	0.01	0.015	0.15
α-Terpinene	0.01	ND	ND
D-Limonene	0.01	1.075	10.75
Eucalyptol	0.01	ND	ND
Ocimene	0.01	0.010	0.1
γ-Terpinene	0.01	0.011	0.11
Sabinene Hydrate	0.01	ND	ND
Terpinolene	0.01	0.028	0.28
Fenchone	0.01	BLQ	BLQ
Linalool	0.01	0.359	3.59
Fenchol	0.01	0.107	1.07
Camphor	0.01	BLQ	BLQ
Isoborneol	0.01	ND	ND
Borneol	0.02	ND	ND
Menthol	0.01	BLQ	BLQ
Terpineol	0.01	0.136	1.36
Nerol	0.01	0.015	0.15
Pulegone	0.01	ND	ND
Geraniol	0.01	0.014	0.14
Geranyl Acetate	0.01	ND	ND
α-Cedrene	0.01	ND	ND
Caryophyllene	0.01	1.279	12.79
α-Humulene	0.01	0.123	1.23
Valencene	0.01	0.152	1.52
cis-Nerolidol	0.01	ND	ND
trans-Nerolidol	0.01	ND	ND
Caryophyllene Oxide	0.01	0.022	0.22
Guaiol	0.01	BLQ	BLQ
Cedrol	0.01	ND	ND
α-Bisabolol	0.01	0.121	1.21
<b>Total Terpenes</b>		<b>4.728</b>	<b>47.28</b>

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