

Analytical Report

40 Speen St., Suite #301 Framingham, MA 01701 508-465-3470 lab-ma@greenanalyticslabs.com GAMA Report ID: HIPC-07187 Report Submitted: 10/8/2024

Client Info

Highmark Provisions, LLC 201 Summer Street Holliston, MA 01746

License: MC283492 Metrc Manifest: 2505601 Date Received: 10/3/2024

Sample Identification

METRC Batch ID: BTR-09092024-F1-AB

METRC Sample ID: 1A40A030000B221000007187 METRC Source ID: 1A40A030000B221000007157

ME Batch ID: N/A QBench Order ID: HIPC9078

Sample Properties

Sample Weight (g): 6.5

Product Characterization

Production Stage: Raw Plant Material

Product Class: Buds

Retail Name: Buttered Toast

Results for Requested Analyses

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

Cannabinoid Y Profile

Terpene Profile Heavy Metals Residual Solvents Pesticides P

Total Yeast and Mold

Mycotoxins P

Pathogenic Bacteria

Total P

Total Aerobic Bacteria

Enterobacteriaceae 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



Analytical Report

 Cannabinoid Profile
 Metrc ID Tag: 1A40A030000B221000007187

 Test ID: #845171
 Analysis Date: 10/05/2024

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 | 18.251 | 182.51 | |
| Δ9-Tetrahydrocannabinol (Δ9-THC) | 0.040 | 0.203 | 2.03 | |
| 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 | 0.436 | 4.36 | |
| Cannabigerol (CBG) | 0.040 | 0.274 | 2.74 | |
| Cannabidivarin (CBDV) | 0.040 | ND | ND | |
| Tetrahydrocannabivarin (THCV) | 0.040 | ND | ND | |
| Δ8-Tetrahydrocannabinol (Δ8-THC) | 0.040 | ND | ND | |
| Total Cannabinoids | | 19.164 | 191.64 | |

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

 Heavy Metals Analysis
 Metrc ID Tag: 1A40A030000B221000007187

 Test ID: #840945
 Analysis Date: 10/07/2024

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

| Total Arsenic | 122.0 | | | | |
|---------------|---------------|--------------------|-----------------------|---------------------------|--------------------------------|
| | 132.9 | ND | 200 | PASS | |
| Cadmium | 131.7 | BLQ | 200 | PASS | |
| Total Mercury | 88.0 | ND | 100 | PASS | |
| Lead | 175.8 | BLQ | 500 | PASS | |
| | Total Mercury | Total Mercury 88.0 | Total Mercury 88.0 ND | Total Mercury 88.0 ND 100 | Total Mercury 88.0 ND 100 PASS |

Microbial Contaminants Analysis Test IDs:840953, 840952, 840951, 840948

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

| Ana | yte Result (CFU/g) | Analysis Date | Limit (CFU/g) | Finding | |
|--|--------------------|---------------|---------------|---------|--|
| Total Yeast and Mold (TY | M) ND | 10/07/2024 | 10000 | PASS | |
| Total Viable Aerobic Bacteria (TA | AC) 393 | 10/06/2024 | 100000 | PASS | |
| Total Coliforms (| C) ND | 10/06/2024 | 1000 | PASS | |
| Enterobacteriaceae (E | B) ND | 10/06/2024 | 1000 | PASS | |
| | | | | | |
| Note "NT": Not Tested; "ND": Not Detected. | | | | | |

Pathogenic Bacteria Results Test IDs:840949, 840950

Metrc Id Tag: 1A40A030000B221000007187

Metrc Id Tag: 1A40A030000B221000007187

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 | 10/07/2024 | Detection in 1.0 g | PASS | | | | | |
| Salmonella spp. | Not Detected in 1g | 10/07/2024 | Detection in 1.0 g | PASS | | | | | |
| Note "NT": Not Tested; "ND": Not De | ote "NT": Not Tested; "ND": Not Detected. | | | | | | | | |

METRC Sample ID: 1A40A030000B221000007187 Retail Name: Buttered Toast



Analytical Report

 Mycotoxins Results
 Metrc ID Tag: 1A40A030000B221000007187

 Test ID: #840947
 Analysis Date: 10/07/2024

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: $\mu g/kg$

| 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 Metrc ID Tag: 1A40A030000B221000007187
Test ID: #840946 Analysis Date: 10/07/2024

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
 Metrc ID Tag: 1A40A030000B221000007187

 Test ID: #845604
 Analysis Date: 10/08/2024

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 | 0.013 | 0.13 | |
| β-Pinene | 0.01 | 0.020 | 0.2 | |
| β-Myrcene | 0.01 | 0.412 | 4.12 | |
| Limonene | 0.01 | 0.169 | 1.69 | |
| Terpinolene | 0.01 | ND | ND | |
| Linalool | 0.01 | 0.204 | 2.04 | |
| Caryophyllene | 0.01 | 0.209 | 2.09 | |
| α-Humulene | 0.01 | 0.058 | 0.58 | |
| Caryophyllene Oxide | 0.01 | 0.016 | 0.16 | |
| α-Bisabolol | 0.01 | 0.019 | 0.19 | |
| Total Terpenes | | 1.120 | 11.2 | |

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