



[A] 40 Speen St., Suite 301 Framingham, MA 01701 Lab: 508-465-3470 email: lab-ma@greenanalyticsllc.com	SHMA Report ID: LZRC-09316 Report Submitted: 1/25/2024
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[B] Client Info	
Lazy River Products, LLC	
145 Broadway Rd	
Dracut, MA 01826	
License:	MC282085
Metrc Manifest:	2038508
Date Received:	1/22/2024

[C] Sample Identification	
METRC Batch ID:	ZC-F5-12262023
METRC Sample ID:	1A40A0300003459000009316
METRC Source ID:	1A40A0300003459000009315
ME Batch ID:	NA

[D] Sample Properties	
Sample Weight (g):	11.0
Serving Size (g):	NA

[E] Product Characterization	
Production Stage:	Finished Plant Material
Product Class:	Flower
Ingestion Only:	---
Extraction Solvent:	---
Retail Name:	Zacks Cake

[F] 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	Enterobacteriaceae	P	Vitamin E Acetate	-

[G] Authorization
<p>Steep Hill 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. Where statements of conformity are reported ('pass' vs. 'fail'), the simple acceptance decision rule is applied.</p> <p>The net/gross weight of the sample received was verified and all analyses were conducted at the SHMA laboratory. 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 SHMA approval.</p> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;"> <div style="text-align: center;">             CERT #s 4356.04 ; 4356.05         </div> <div style="text-align: center;">             ACCREDITED         </div> <div style="text-align: center;"> <p><i>Kimberly Ross, PhD</i></p> <p>Kimberly Ross, PhD Laboratory Director</p> </div> </div>



[H] Cannabinoid Profile Metrc ID Tag: 1A40A0300003459000009316 Analysis Date: 01/23/24

Datafile: LZRC-09316\_1A40A0300003459000009316\_A\_516710\_POTENCY\_B\_20240124\_RP\_JP\_01\_1242024\_ Analyst(s): NG

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

Table with 5 columns: Cannabinoid, LOQ (%), Result (%), Result (mg/g), Result (mg/serv). Rows include THCA, Δ9-THC, CBDA, CBD, CBN, CBC, CBGA, CBG, CBDV, THCv, Δ8-THC, and Total Available Cannabinoids.

Note "NT": Not Tested; "ND": Not Detected; "BLQ": Below limit of Quantification. Percentage dry-weight-basis.

[I] Heavy Metals Analysis Metrc ID Tag: 1A40A0300003459000009316 Analysis Date: 01/24/24

Datafile: HM\_A\_20240123\_TH\_SD DIG-20240122\_ZS LZRC-09316 Analyst(s): TH

Heavy Metals were measured using an Inductively Coupled Plasma Mass Spectrometer (ICP-MS) following SHMA SOP-021-GA; SOP-061-GA; SOP-072-GA.

Table with 7 columns: Analyte, LOQ (ppb), Result (ppb), All Uses Limit (ppb), Finding, Ingestion Only Limit (ppb), Finding. Rows include Total Arsenic, Cadmium, Total Mercury, and Lead.

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

[J] Microbial Contaminants Analysis Metrc ID Tag: 1A40A0300003459000009316

Analyst(s): JT

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 SHMA SOP-701-GA; SOP-702-GA; SOP-703-GA; SOP-704-GA.

Table with 6 columns: Analyte, Result (CFU/g), Datafile, Analysis Date, Limit (CFU/g), Finding. Rows include Total Coliforms (CC), Total Yeast and Mold (YM), Total Viable Aerobic Bacteria (TAC), and Bile-Tolerant Gram-Neg. Bacteria (BTGN).

Note: "NT": Not Tested; "ND" Not Detected. Enterobacteriaceae is the family of bacteria also known as Bile-Tolerant Gram-Negative bacteria.



[K] Pathogenic Bacteria Results Metrc ID Tag: 1A40A0300003459000009316 Analysis Date: 01/24/24  
Datafile: PCR-20240122\_KAR\_D2 Analyst(s): JT

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 SHMA SOP-700-MA; SOP-701-GA; SOP-702-GA; SOP-703-GA; SOP-704-GA.

Analyte	Result	Analysis Date	Limit	Finding
STEC E. coli	Not Detected	01/24/24	Detection in 1.0 g	Pass
Salmonella spp.	Not Detected	01/24/24	Detection in 1.0 g	Pass

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

[L] Mycotoxins Results Metrc ID Tag: 1A40A0300003459000009316 Analysis Date: 01/24/24  
Datafile: D:\Analyst Data\Projects\SHMA 2023 PGMY\_2\PGMY\Data\DataPGMY\_A\_20240122\_BJ\_01.wif Analyst(s): AD

Mycotoxins were measured using a High Performance Liquid Chromatograph equipped with a tandem Mass Spectrometer (HPLC-MS/MS) following SHMA SOP-002-GA; SOP-062-GA; SOP-070-GA.

Analyte	LOQ (ppb)	Result (ppb)	Limit (ppb)	Finding
Aflatoxin B1	10.0	ND	-	Tested
Aflatoxin B2	10.0	ND	-	Tested
Aflatoxin G1	10.0	ND	-	Tested
Aflatoxin G2	10.0	ND	-	Tested
Ochratoxin A	10.0	ND	-	Tested
<b>Total Mycotoxins</b>	-	ND	20.0	Pass

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

[M] Residual Solvent Results Metrc ID Tag: NT Analysis Date: NT  
Datafile: NT Analyst(s): NT

Residual Solvents were measured using a Headspace Sampler coupled to a Gas Chromatograph equipped with a tandem Mass Spectrometer (HS-GC-MS/MS) following SHMA SOP-011-GA; SOP-067-GA; SOP-010-GA.

Analyte	LOQ (ppm)	Result (ppm)	Limit (ppm)	Finding
Ethanol	NT	NT	NT	NT
Propane	NT	NT	NT	NT
iso-Butane	NT	NT	NT	NT
n-Butane	NT	NT	NT	NT
n-Pentane	NT	NT	NT	NT
Acetone	NT	NT	NT	NT

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



[N] Pesticides Results Metrc ID Tag: 1A40A030000345900009316 Analysis Date: 01/24/24
Datafile: D:\Analyst Data\Projects\SHMA 2023 PGMY\_2\PGMY\Data\DataPGMY\_A\_20240122\_BJ\_01.wif Analyst(s): AD

Pesticides were measured using a High Performance Liquid Chromatograph equipped with a tandem Mass Spectrometer (HPLC MS/MS) following SHMA SOP-002-GA; SOP-062-GA; SOP-070-GA.

Table with 5 columns: Analyte, LOQ (ppb), Result (ppb), Limit (ppb), Finding. Rows include Bifenazate, Bifenthrin, Cyfluthrin, Etoxazole, Imazalil, Imidacloprid, Myclobutanil, Spiromesifen, and Trifloxystrobin.

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

[O] Vitamin E Acetate Results Metrc ID Tag: NT Analysis Date: NT
Datafile: NT Analyst(s): NT

Vitamin E Acetate was measured using a High Performance Liquid Chromatograph equipped with a tandem Mass Spectrometer (HPLC MS/MS) following SHMA SOP-002-GA; SOP-062-MA; SOP-070-MA.

Table with 5 columns: Analyte, LOD (ppb), Result (ppb), Limit (ppb), Finding. Row: Vitamin E Acetate.

Note "NT": Not Tested; "LOD": Limit of Detection

[P] Terpenes Profile Metrc ID Tag: 1A40A030000345900009316 Analysis Date: 1/24/2024
Datafile: LZRC-09316\_1A40A030000345900009316\_514655\_717-TP-20240122\_AC\_02\_1232024\_6.qg Analyst(s): BK

Terpenes were measured using liquid autosampler injection onto a Gas Chromatograph equipped with a tandem Mass Spectrometer (HS GC-MS/MS) following SHMA SOP-011-GA; SOP-067-GA; SOP-010-GA.

Table with 4 columns: Terpenes, LOD (%), Result (%), Result (mg/g). Rows include alpha-Pinene, beta-Pinene, beta-Myrcene, Limonene, Terpinolene, Linalool, Caryophyllene, alpha-Humulene, Caryophyllene oxide, alpha-Bisabolol, and Total Terpenes.

Note NT: Not Tested.



QA/QC Section

[Q] Cannabinoid QC Analysis Date: 01/23/24
Datafile: LCS\_POTENCY\_B\_20240124\_RP\_JP\_01\_1242024\_004.lcd Analyst(s): NG

QC Notes: Quality control checks were prepared at known concentrations and run alongside batch samples.

Table with 4 columns: Cannabinoid, Measured Conc. (mg/mL), Expected Conc. (mg/mL), % Recovery. Lists cannabinoids like THCA, Delta-9-THC, CBDA, etc.

[R] Heavy Metals QC Analysis Date: 01/24/24
Datafile: HM\_A\_20240123\_TH\_SD DIG-20240122\_ZS LCS Analyst(s): TH

QC Notes: Quality control checks were prepared at known concentrations and run alongside batch samples.

Table with 4 columns: Analyte, Measured Conc. (ppb), Expected Conc. (ppb), % Recovery. Lists metals like Total Arsenic, Cadmium, Total Mercury, Lead.

[S] Microbial Contaminants QC Analysis Date: 1/24/2024
Analyst(s): JT

QC Notes: Quality control checks are included with each run to assess the success of instrument run and polymerase chain reaction.

Table with 5 columns: Target, Datafile, Positive Control Cq, Negative Control Cq, Finding. Lists targets like Total Coliforms (CC), Total Yeast and Mold (YM), etc.

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



[T] Pathogenic Bacteria QC Analysis Date: 1/24/2024 Analyst(s): JT

QC Notes: Quality control checks are included with each run to assess the success of instrument run and polymerase chain reaction.

Target	Datafile	Positive Control Cq	Negative Control Cq	Finding
STEC E. coli	PCR-20240122_KAR_D2	14.75	N/A	Pass
Salmonella spp.	PCR-20240122_KAR_D2	15.76	N/A	Pass
Expected Value		Cq ≤ 35	Cq > 35 or N/A	

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

[U] Mycotoxins QC Analysis Date: 01/24/24 Datafile: D:\Analyst Data\Projects\SHMA 2023 PGMY\_2\PGMY\Data\DataPGMY\_A\_20240122\_BJ\_01.wiff (s Analyst(s): AD

QC Notes: Quality control checks were prepared at known concentrations and run alongside batch samples.

Analyte	Measured Conc. (ppb)	Expected Conc. (ppb)	% Recovery
Aflatoxin B1	0.7	0.9	73%
Aflatoxin B2	0.5	0.9	59%
Aflatoxin G1	0.6	0.9	72%
Aflatoxin G2	0.7	0.9	79%
Ochratoxin A	0.7	0.9	80%

[V] Residual Solvent QC Analysis Date: NT Datafile: NT Analyst(s): NT

QC Notes: Quality control checks were prepared at known concentrations and run alongside batch samples.

Analyte	Measured Conc. (ppm)	Expected Conc. (ppm)	% Recovery
Ethanol	NT	NT	NT
iso-Butane	NT	NT	NT
Propane	NT	NT	NT
n-Butane	NT	NT	NT
n-Pentane	NT	NT	NT
Acetone	NT	NT	NT

[W] Pesticides QC Analysis Date: 01/24/24 Datafile: D:\Analyst Data\Projects\SHMA 2023 PGMY\_2\PGMY\Data\DataPGMY\_A\_20240122\_BJ\_01.wif Analyst(s): AD

QC Notes: Quality control checks were prepared at known concentrations and run alongside batch samples.

Analyte	Measured Conc (ppb)	Expected Conc (ppb)	% Recovery	Finding
Bifenazate	0.7	0.9	75%	Pass
Bifenthrin	0.6	0.9	67%	Pass
Cyfluthrin	0.6	0.9	70%	Pass
Etoxazole	0.6	0.9	68%	Pass
Imazalil	0.7	0.9	75%	Pass
Imidacloprid	0.6	0.9	73%	Pass
Myclobutanil	0.7	0.9	79%	Pass
Spiromesifen	0.6	0.9	69%	Pass
Trifloxystrobin	0.7	0.9	77%	Pass



[X] Vitamin E Acetate QC	Analysis Date: NT
Datafile: NT	Analyst(s): NT

QC Notes: Quality control checks were prepared at known concentrations and run alongside batch samples.

<u>Analyte</u>	<u>Observed Result</u>	<u>Expected Result</u>	<u>Finding</u>
Vitamin E Acetate	NT	NT	NT

- End of Analytical Report -