

CERTIFICATE OF ANALYSIS

Client River Run Gardens
Lic #MB281332
5 Perkins Way, Unit 8
Newburyport, MA 01950

Sample Information

Sample ID	23100201-02	Sample Name	Road Rage OG
Batch Number	Road Rage OG 7/18/2023	METRC Tag	1A40A03000038A5000003551
Description	Buds	METRC Source	1A40A03000038A5000003317
Date Received	10/02/2023	Serving Size (g)	NA
COA Expiration	10/04/2024	Testing Date(s)	10/03/2023 - 10/04/2023



Summary

Test	Date Tested	Result
Cannabinoids	10/04/2023	Complete
Microbials	10/04/2023	Pass
Pathogenic Bacteria	10/04/2023	Pass
Heavy Metals	10/04/2023	Pass
Mycotoxins	10/04/2023	Pass
Pesticides	10/03/2023	Pass
Terpenes	10/03/2023	Complete

18.92%

Total THC

ND

Total CBD

22.58%

Total Cannabinoids

Megan Dobro, PhD
CEO, SafeTiva Labs



The results in this report relate only to the tested items and apply to the sample as received. All laboratory activities performed at SafeTiva Labs in Westfield, MA. Measurement uncertainty is not factored in to decision rules.

TEST RESULTS

CANNABINOID PROFILE

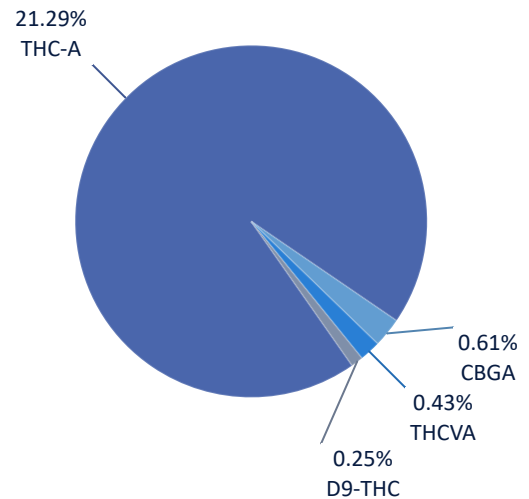
TM-1 Quantitation of Cannabinoids

Date(s) of Testing: 10/04/2023 - 10/04/2023

Analysts: LS

The sample was analyzed using Liquid Chromatography.

Analyte	Reporting Limit	Result	Result
	%	%	mg/g
Total Cannabinoids ¹	N/A	22.58	225.8
Total THC ²	N/A	18.92	189.2
Total CBD ³	N/A	ND	ND
THC-A	0.10	21.29	212.9
CBGA	0.10	0.61	6.13
THCVA	0.10	0.43	4.33
D9-THC	0.10	0.25	2.51
CBDVA	0.10	ND	ND
CBDV	0.10	ND	ND
CBDA	0.10	ND	ND
CBG	0.10	ND	ND
CBD	0.10	ND	ND
THCV	0.10	ND	ND
CBN	0.10	ND	ND
CBNA	0.10	ND	ND
D8-THC	0.10	ND	ND
CBL	0.10	ND	ND
CBC	0.10	ND	ND
CBCA	0.50	ND	ND



1 Total Cannabinoids is the sum of total active cannabinoids (TAC) listed above.

2 Total THC is determined using: $d9THC + (THCA \times 0.877) = \text{Total THC}$.

3 Total CBD is determined using: $CBD + (CBDA \times 0.877) = \text{Total CBD}$.

Flower matrices are adjusted for moisture content

TEST RESULTS

MICROBIAL SCREEN

TM-8 Microbial Contaminants

Date(s) of Testing: 10/04/2023 - 10/04/2023

Analysts: EW

The sample was analyzed using PCR/microarray and petrifilm plating.*

Organism	Result	Units	Limits	Pass/Fail
Total Aerobic Bacteria	1,400	CFU/g	100,000	Pass
Total Yeast and Mold	580	CFU/g	10,000	Pass
Total Coliforms	< 100	CFU/g	1,000	Pass
Bile-Tolerant Gram Neg Bacteria	< 100	CFU/g	1,000	Pass

Organism	Result	Limits	Pass/Fail
Pathogenic E coli	Not Detected	Not detected in 0.5 g	Pass
Salmonella spp	Not Detected	Not detected in 0.5 g	Pass

Disposition of results is based on action limits set forth in Protocol for the Sampling and Analysis of Finished Marijuana Products and Marijuana Products for Marijuana Establishments, Medical Marijuana Treatment Centers, and Colocated Marijuana Operations, Exhibit 6. Analysis Requirements for Microbiological Contaminants and Mycotoxins in Medical Marijuana Products.

*Petrifilm method not accredited

TEST RESULTS

HEAVY METALS

TM-2 Quantitation of Metals

Date(s) of Testing: 10/04/2023 - 10/04/2023

Analysts: SG

The sample was analyzed using ICP/MS.

Analyte	Reporting Limit	Result	Limits	Pass/Fail
	ppb	ppb	ppb	
Arsenic	150.0	ND	200	Pass
Cadmium	150.0	ND	200	Pass
Mercury	50.00	ND	100	Pass
Lead	200.0	ND	500	Pass

Disposition of results is based on action limits set forth in Protocol for the Sampling and Analysis of Finished Marijuana Products and Marijuana Products for Marijuana Establishments, Medical Marijuana Treatment Centers, and Colocated Marijuana Operations, Exhibit 4. Analysis Requirements and Recommended Limits for Metals in Finished Medical Marijuana Products.

TEST RESULTS

MYCOTOXINS	TM-4 Quantitation of Pesticides and Mycotoxins
-------------------	---

Date(s) of Testing: 10/04/2023 - 10/04/2023 **Analysts:** CP

The sample was analyzed using Liquid Chromatography.

Analyte	LOD	LOQ	Result	Limits	Pass/Fail
	ppb	ppb	ppb	ppb	
Aflatoxin B1	2.77	16.80	ND	20	Pass
Aflatoxin B2	2.33	14.10	ND	20	Pass
Aflatoxin G1	1.60	9.68	ND	20	Pass
Aflatoxin G2	1.23	7.46	ND	20	Pass
Ochratoxin A	12.60	76.40	ND	20	Pass

Disposition of results is based on action limits set forth in Protocol for the Sampling and Analysis of Finished Marijuana Products and Marijuana Products for Marijuana Establishments, Medical Marijuana Treatment Centers, and Colocated Marijuana Operations, Exhibit 5 (Pesticides) and Exhibit 6 (Microbial).

PESTICIDES	TM-4 Quantitation of Pesticides and Mycotoxins
-------------------	---

Date(s) of Testing: 10/03/2023 - 10/03/2023 **Analysts:** CP

The sample was analyzed using Liquid Chromatography.

Analyte	LOD	LOQ	Result	Limits	Pass/Fail
	ppb	ppb	ppb	ppb	
Bifenazate	2.08	12.60	ND	10	Pass
Bifenthrin	1.14	6.92	ND	10	Pass
Cyfluthrin	3.36	20.03	ND	10	Pass
Etoxazole	0.40	2.43	ND	10	Pass
Imazalil	0.71	4.28	ND	10	Pass
Imidacloprid	1.12	6.80	ND	10	Pass
Myclobutanil	0.34	2.06	ND	10	Pass
Spiromesifen	0.52	3.14	ND	10	Pass
Trifloxystrobin	0.17	1.01	ND	10	Pass

Disposition of results is based on action limits set forth in Protocol for the Sampling and Analysis of Finished Marijuana Products and Marijuana Products for Marijuana Establishments, Medical Marijuana Treatment Centers, and Colocated Marijuana Operations, Exhibit 5 (Pesticides) and Exhibit 6 (Microbial).

TEST RESULTS

TERPENES

TM-5 Quantitation of Terpenes

Date(s) of Testing: 10/03/2023 - 10/03/2023

Analysts: CR

The sample was analyzed using Gas Chromatography.*

Analyte	LOD	LOQ	Result
	%	%	%
Total Terpenes ¹	0.01	N/A	0.69
b-Caryophyllene	0.01	0.01	0.19
Linalool	0.01	0.01	0.15
b-Myrcene	0.01	0.01	0.13
d-Limonene	0.01	0.01	0.08
a-Humulene	0.01	0.01	0.06
b-Pinene	0.01	0.01	0.04
a-Bisabolol	0.01	0.01	0.04
Trans-Nerolidol	0.01	0.01	ND
Guaiol	0.01	0.01	ND
Geraniol	0.01	0.01	ND
Terpinolene	0.01	0.01	ND
γ-Terpinene	0.01	0.01	ND
Eucalyptol	0.01	0.01	ND
b-Ocimene	0.01	0.01	ND
cis-Ocimene	0.01	0.01	ND
Cis-Nerolidol	0.01	0.01	ND
Caryophyllene Oxide	0.01	0.01	ND
Camphene	0.01	0.01	ND
p-Cymene	0.01	0.01	ND
a-Terpinene	0.01	0.01	ND
Isopulegol	0.01	0.01	ND
a-Pinene	0.01	0.01	ND
3-Carene	0.01	0.01	ND

*Test results are non-accredited.

1 Total Terpenes is the sum of terpenes listed above.

TEST RESULTS

MOISTURE ACTIVITY

TM-7 Moisture

Date(s) of Testing: 10/04/2023 - 10/04/2023

Analysts: LS

This sample was analyzed using a Moisture Analyzer

Analyte	Result	Units
Moisture Content	8.33	%

Moisture Analysis methods are not accredited.