

## CERTIFICATE OF ANALYSIS

**Client** 253 Organic, LLC  
Lic #MC281258  
253 Millers Falls Rd  
Montague, MA 01376

### Sample Information

<b>Sample ID</b>	24071601-07	<b>Sample Name</b>	Ruby Violet Buds
<b>Batch Number</b>	RV-062524-10ABCD	<b>METRC Tag</b>	1A40A0300001195000018149
<b>Description</b>	Buds	<b>METRC Source</b>	1A40A0300001195000018148
<b>Date Received</b>	07/16/2024	<b>Testing Date(s)</b>	07/16/2024 - 07/18/2024
<b>COA Expiration</b>	07/18/2025		



### Summary

Test	Date Tested	Result
Cannabinoids	07/17/2024	23.422 %
Microbials	07/18/2024	Pass
Pathogenic Bacteria	07/18/2024	Pass
Heavy Metals	07/16/2024	Pass
Mycotoxins	07/18/2024	Pass
Pesticides	07/18/2024	Pass
Terpenes	07/17/2024	1.069 %
Moisture Content	07/17/2024	9.04 %

**19.868 %**

**Total THC**

**ND %**

**Total CBD**

**23.422 %**

**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

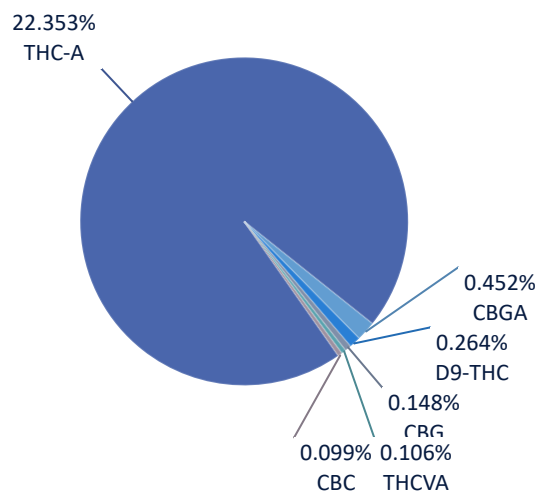
### TM-1 Quantitation of Cannabinoids

Date(s) of Testing: 07/17/2024 - 07/17/2024

Analysts: LS

The sample was analyzed using Liquid Chromatography.

Analyte	LOQ	Result	Result
	%	%	mg/g
Total Cannabinoids <sup>1</sup>	N/A	23.422	234.22
Total THC <sup>2</sup>	0.010	19.868	198.68
Total CBD <sup>3</sup>	0.010	ND	ND
THC-A	0.010	22.353	223.53
CBGA	0.010	0.452	4.52
D9-THC	0.010	0.264	2.64
CBG	0.010	0.148	1.48
THCVA	0.010	0.106	1.06
CBC	0.010	0.099	0.99
CBDVA	0.010	ND	ND
CBDV	0.010	ND	ND
CBDA	0.010	ND	ND
CBD	0.010	ND	ND
THCV	0.010	ND	ND
CBN	0.010	ND	ND
CBNA	0.010	ND	ND
D8-THC	0.010	ND	ND
CBL	0.010	ND	ND
CBCA	0.010	ND	ND



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

2 Total THC is determined using: d9THC + (THCA x 0.877) = Total THC.

3 Total CBD is determined using: CBD + (CBDA x 0.877) = Total CBD.

## TEST RESULTS

### MICROBIAL SCREEN

### TM-8 Microbial Contaminants

**Date(s) of Testing:** 07/18/2024 - 07/18/2024

**Analysts:** MM

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

Organism	Result	Units	State Limits	Pass/Fail
Total Aerobic Bacteria	< 1000	CFU/g	100,000	Pass
Total Yeast and Mold	< 100	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	State Limit	Pass/Fail
Pathogenic E coli	Not Detected	Not detected in 2 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.



109 Apremont Way Suite 4  
Westfield, MA 01085  
(413) 232-9570  
License #ILN281354

Report Number: 24071601-07

Report Date: Jul 18, 2024

### TEST RESULTS

#### HEAVY METALS

#### TM-2 Quantitation of Metals

Date(s) of Testing: 07/16/2024 - 07/16/2024

Analysts: SG

The sample was analyzed using ICP/MS.

Analyte	LOQ	Result	State Limit	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: 07/18/2024 - 07/18/2024

Analysts: SG

The sample was analyzed using Liquid Chromatography.

Analyte	LOQ	Result	State Limit	Pass/Fail
	ppb	ppb	ppb	
Aflatoxin B1	2.77	ND	20	Pass
Aflatoxin B2	2.33	ND	20	Pass
Aflatoxin G1	1.60	ND	20	Pass
Aflatoxin G2	1.23	ND	20	Pass
Ochratoxin A	12.60	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: 07/18/2024 - 07/18/2024

Analysts: SG

The sample was analyzed using Liquid Chromatography.

Analyte	LOQ	Result	State Limit	Pass/Fail
	ppb	ppb	ppb	
Bifenazate	2.08	ND	10	Pass
Bifenthrin	1.14	ND	10	Pass
Cyfluthrin	3.36	ND	10	Pass
Etoxazole	0.40	ND	10	Pass
Imazalil	0.71	ND	10	Pass
Imidacloprid	1.12	ND	10	Pass
Myclobutanil	0.34	ND	10	Pass
Spiromesifen	0.52	ND	10	Pass
Trifloxystrobin	0.17	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: 07/17/2024 - 07/17/2024

Analysts: CR

The sample was analyzed using Gas Chromatography.

Analyte	LOQ	Result
	%	%
Total Terpenes <sup>2</sup>	0.010	1.069
b-Caryophyllene	0.010	0.463
d-Limonene	0.010	0.276
a-Humulene	0.010	0.132
b-Myrcene	0.010	0.127
Linalool	0.010	0.039
b-Pinene	0.010	0.032
Trans-Nerolidol	0.010	ND
Guaiol	0.010	ND
Geraniol	0.010	ND
Terpinolene	0.010	ND
y-Terpinene	0.010	ND
Eucalyptol	0.010	ND
b-Ocimene	0.010	ND
cis-Ocimene	0.010	ND
Cis-Nerolidol	0.010	ND
Caryophyllene Oxide	0.010	ND
Camphene	0.010	ND
p-Cymene	0.010	ND
a-Terpinene	0.010	ND
Isopulegol	0.010	ND
a-Pinene	0.010	ND
a-Bisabolol	0.010	ND
3-Carene	0.010	ND

2 Total Terpenes is the sum of terpenes listed above.



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### TEST RESULTS

#### MOISTURE ACTIVITY

TM-7 Moisture

Date(s) of Testing: 07/17/2024 - 07/17/2024

Analysts: LS

This sample was analyzed using a Moisture Analyzer

Analyte	Result	Units
Moisture Content	9.04	%