

## CERTIFICATE OF ANALYSIS

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

### Sample Information

<b>Sample ID</b>	25021102-03	<b>Sample Name</b>	Emergen-C Buds
<b>Batch Number</b>	Emergen-C-011725-7	<b>METRC Tag</b>	1A40A0300001195000018715
<b>Description</b>	Buds	<b>METRC Source</b>	1A40A0300001195000018714
<b>Date Received</b>	02/11/2025	<b>Testing Date(s)</b>	02/11/2025 - 02/17/2025
<b>COA Expiration</b>	02/17/2026		



### Summary

Test	Date Tested	Result
Cannabinoids	02/12/2025	28.771 %
Microbials	02/17/2025	Pass
Pathogenic Bacteria	02/17/2025	Pass
Heavy Metals	02/12/2025	Pass
Mycotoxins	02/12/2025	Pass
Pesticides	02/12/2025	Pass
Terpenes	02/11/2025	2.550 %
Moisture Content	02/11/2025	6.19 %

**24.183 %**

**Total THC**

**ND %**

**Total CBD**

**28.771 %**

**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

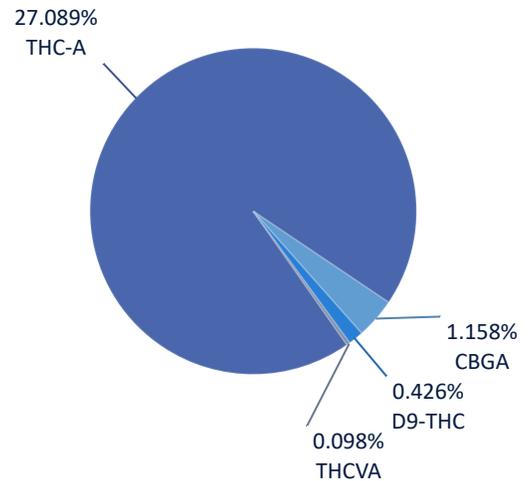
### TM-1 Quantitation of Cannabinoids

Date(s) of Testing: 02/12/2025 - 02/12/2025

Analysts: CW

The sample was analyzed using Liquid Chromatography.

Analyte	LOQ	Result	Result
	%	%	mg/g
Total Cannabinoids <sup>1</sup>	N/A	28.771	287.71
Total THC <sup>2</sup>	0.010	24.183	241.83
Total CBD <sup>3</sup>	0.010	ND	ND
THC-A	0.010	27.089	270.89
CBGA	0.010	1.158	11.58
D9-THC	0.010	0.426	4.26
THCVA	0.010	0.098	0.98
CBDVA	0.010	ND	ND
CBDV	0.010	ND	ND
CBDA	0.010	ND	ND
CBG	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
CBC	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

<b>MICROBIAL SCREEN</b>	<b>TM-8 Microbial Contaminants</b>
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**Date(s) of Testing:** 02/17/2025 - 02/17/2025

**Analysts:** RN

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

Organism	Result	Units	State Limits	Pass/Fail
Total Aerobic Bacteria	ND	CFU/g	100,000	Pass
Total Yeast and Mold	1,300	CFU/g	10,000	Pass
Total Coliforms	ND	CFU/g	1,000	Pass
Bile-Tolerant Gram Neg Bacteria	ND	CFU/g	1,000	Pass

Organism	Result	State Limit	Pass/Fail
Pathogenic E coli	Not Detected	Not detected in 1 g	Pass
Salmonella spp	Not Detected	Not detected in 1 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.

## TEST RESULTS

### HEAVY METALS

### TM-2 Quantitation of Metals

Date(s) of Testing: 02/12/2025 - 02/12/2025

Analysts: SA

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: 02/12/2025 - 02/12/2025

Analysts: CR

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	1.26	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: 02/12/2025 - 02/12/2025

Analysts: CR

The sample was analyzed using Liquid Chromatography.

Analyte	LOQ	Result	State Limit	Pass/Fail
	ppb	ppb	ppb	
Bifenazate	5.00	ND	10	Pass
Bifenthrin	5.00	ND	10	Pass
Cyfluthrin	5.00	ND	10	Pass
Etoxazole	5.00	ND	10	Pass
Imazalil	5.00	ND	10	Pass
Imidacloprid	5.00	ND	10	Pass
Myclobutanil	5.00	ND	10	Pass
Spiromesifen	5.00	ND	10	Pass
Trifloxystrobin	5.00	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

<b>TERPENES</b>	<b>TM-5 Quantitation of Terpenes</b>
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**Date(s) of Testing:** 02/11/2025 - 02/11/2025

**Analysts:** CR

The sample was analyzed using Gas Chromatography.

Analyte	LOQ	Result
	%	%
Total Terpenes <sup>2</sup>	0.010	2.550
b-Myrcene	0.010	0.729
b-Caryophyllene	0.010	0.670
d-Limonene	0.010	0.365
Linalool	0.010	0.261
a-Humulene	0.010	0.185
a-Bisabolol	0.010	0.106
Guaiol	0.010	0.104
b-Pinene	0.010	0.057
a-Pinene	0.010	0.032
Trans-Nerolidol	0.010	0.024
Cis-Nerolidol	0.010	0.017
Geraniol	0.010	ND
Terpinolene	0.010	ND
γ-Terpinene	0.010	ND
Eucalyptol	0.010	ND
b-Ocimene	0.010	ND
cis-Ocimene	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
3-Carene	0.010	ND

Flower matrices have been moisture corrected  
2 Total Terpenes is the sum of terpenes listed above.

## TEST RESULTS

### MOISTURE ACTIVITY

TM-7 Moisture

Date(s) of Testing: 02/11/2025 - 02/11/2025

Analysts: LB

This sample was analyzed using a Moisture Analyzer

Analyte	Result	Units
Moisture Content	6.19	%