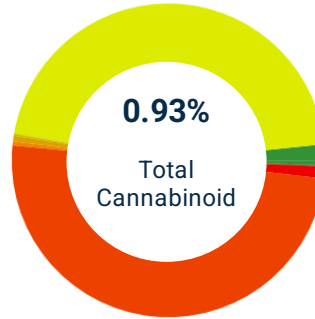




**Client Name:** Sugar Loaf Organics  
**Address:** 237 Sugarloaf Heights Road Drums, PA 18222  
**Phone:**  
**License Number:**

### Cannabinoid Distribution (%)



- Δ8-THC
- Δ9-THC
- THCA
- THCV
- CBD
- CBDA
- CBDV
- CBN
- CBG
- CBC
- CBGA
- THCVA
- CBCA
- CBLA
- CBDVA
- CBNA
- CBL



**Sample ID:** SAM-09182023-35497  
**Sample Name:** 092305-01 Mint Tinture  
**Sample Matrix:** Hemp  
**Sample Type:** Other  
**Sample Date:** 09/18/2023  
**Sampling Method:** CRL\_PA\_SOP\_SampleCollection  
**Sampling Technician:** Gredi Gracari  
**Client Batch ID:** NA  
**Client Sample Size:** 1 OZ  
**Client State Tracking ID:**  
**CRL Tracking ID:** NA

## Results Summary

### Potency

09/21/2023

TESTED

### Microbial Impurities (Qualitative)

09/21/2023



PASS

### Microbial Impurities (Quantitative)

09/21/2023



PASS

### Heavy Metals

09/21/2023



PASS

### Mycotoxins

09/21/2023



PASS

### Foreign Material

09/21/2023



PASS

### Pesticides

09/21/2023



PASS

## Potency

**Date Analyzed:** 09/18/2023 | **Date Completed:** 09/21/2023 | **Calibration Date:** 09-18-2023  
**Instrument:** Vanquish UHPLC UV/PDA | **Method:** CRL\_PA\_SOP\_LCUV | **Analyst:** Joanna Candelieri

Cannabinoid	Result (%)	Result (mg/g)	LOQ (mg/g)
Δ8-THC	ND	ND	1.00
Δ9-THC	ND	ND	1.00
THCA	ND	ND	1.00
THCV	ND	ND	1.00
CBD	0.29	2.94	1.00
CBDA	ND	ND	1.00
CBDV	ND	ND	1.00
CBN	ND	ND	1.00
CBG	0.41	4.09	1.00
CBC	ND	ND	1.00
CBGA	ND	ND	1.00
THCVA	ND	ND	1.00
CBCA	0.22	2.24	1.00
CBLA	ND	ND	1.00
CBDVA	ND	ND	1.00
CBNA	ND	ND	1.00
CBL	ND	ND	1.00
Total THC	ND	ND	-
Total CBD	0.29	2.94	-
Total Cannabinoids	0.93	9.27	-

## Microbial Impurities (Qualitative)

 **PASS**

**Date Analyzed:** 09/18/2023 | **Date Completed:** 09/21/2023 | **Calibration Date:** 09-18-2023  
**Instrument:** qPCR/Culture Plating | **Method:** CRL\_PA\_SOP\_MICRO/CRL\_PA\_SOP\_MICRO-CP | **Analyst:** Maya Jurasinski

Microbials (Qualitative)	Result	Limit	Status
E.coli	ND	1	Pass
Salmonella	ND	1	Pass

## Microbial Impurities (Quantitative)

 **PASS**

**Date Analyzed:** 09/18/2023 | **Date Completed:** 09/21/2023 | **Calibration Date:** 09-18-2023  
**Instrument:** qPCR/Culture Plating | **Method:** CRL\_PA\_SOP\_MICRO/CRL\_PA\_SOP\_MICRO-CP | **Analyst:** Maya Jurasinski

Microbials (Quantitative)	Result (CFU/g)	Limit (CFU/g)	Status
Bile-Tolerant Gram-Negative Bacteria	ND	100	Pass
Yeast & Mold	ND	1000	Pass
Aerobic Bacteria	ND	10000	Pass

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# Certificate of Analysis

## Heavy Metals

 **PASS**

**Date Analyzed:** 09/18/2023 | **Date Completed:** 09/21/2023 | **Calibration Date:** 09-18-2023  
**Instrument:** ICAP-RQ | **Method:** CRL\_PA\_SOP\_ICPMS | **Analyst:** Bhupendra Shah

Heavy Metals	Result (ppm)	LOQ (ppm)	Limit (ppm)	Status
Arsenic	ND	0.400	0.400	Pass
Cadmium	ND	0.300	0.300	Pass
Lead	ND	1.000	1.000	Pass
Mercury	ND	0.200	0.200	Pass

## Mycotoxins

 **PASS**

**Date Analyzed:** 09/18/2023 | **Date Completed:** 09/21/2023 | **Calibration Date:** 09-18-2023  
**Instrument:** Vanquish UHPLC and Quadrupole Orbitrap | **Method:** CRL\_PA\_SOP\_LCMS | **Analyst:** Stanley Keyton

Mycotoxins	Result (ppb)	LOQ (ppb)	Limit (ppb)	Status
B1	ND	2.0	5.0	Pass
B2	ND	2.0	20.0	Pass
G1	ND	2.0	20.0	Pass
G2	ND	2.0	20.0	Pass
Ochratoxin A	ND	2.0	20.0	Pass
Total Aflatoxins	ND	2.0	20.0	Pass

## Foreign Material

 **PASS**

**Date Analyzed:** 09/18/2023 | **Date Completed:** 09/21/2023 | **Analyst:** Stanley Keyton  
**Instrument:** Visual inspection | **Method:** CRL\_PA\_SOP\_Homogenization

Foreign Materials	Status
Foreign Materials Analysis Comments:	Pass

 **PASS**

## Pesticides

**Date Analyzed:** 09/18/2023  
**Instrument:** Vanquish UHPLC  
 Quadrupole Orbitrap

**Date Completed:** 09/21/2023  
**Method:** CRL\_PA\_SOP\_LCMS

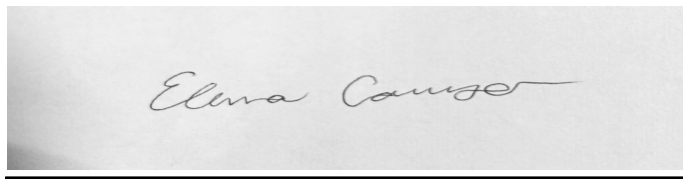
**Calibration Date:** 09-18-2023  
**Analyst:** Stanley Keyton

Pesticide	Result (ppm)	Result (ppb)	LOQ (ppb)	Limit (ppb)	Status
Captan	ND	ND	10.0	100.0	Pass
Dimethomorph	ND	ND	10.0	100.0	Pass
Fenhexamid	ND	ND	10.0	100.0	Pass
Spinetoram	ND	ND	10.0	100.0	Pass
Abamectin	ND	ND	10.0	100.0	Pass
Acephate	ND	ND	10.0	100.0	Pass
Acequinocyl	ND	ND	10.0	100.0	Pass
Bifenazate	ND	ND	10.0	100.0	Pass
Bifenthrin	ND	ND	10.0	100.0	Pass
Cypermethrin	ND	ND	10.0	100.0	Pass
Cyfluthrin	ND	ND	10.0	100.0	Pass
Etoxazole	ND	ND	10.0	100.0	Pass
Flonicamid	ND	ND	10.0	100.0	Pass
Fludioxonil	ND	ND	10.0	100.0	Pass
Imidacloprid	ND	ND	10.0	100.0	Pass
Myclobutanil	ND	ND	10.0	100.0	Pass
Piperonyl butoxide	ND	ND	10.0	100.0	Pass
Spinosad	ND	ND	10.0	100.0	Pass
Spirotetramat	ND	ND	10.0	100.0	Pass
Thiamethoxam	ND	ND	10.0	100.0	Pass
Acetamiprid	ND	ND	10.0	100.0	Pass
Aldicarb	ND	ND	10.0	100.0	Pass
Azoxystrobin	ND	ND	10.0	100.0	Pass
Boscalid	ND	ND	10.0	100.0	Pass
Carbaryl	ND	ND	10.0	100.0	Pass
Carbofuran	ND	ND	10.0	100.0	Pass
Chlorantraniliprole	ND	ND	10.0	100.0	Pass
Chlorfenapyr	ND	ND	10.0	100.0	Pass
Chlorpyrifos	ND	ND	10.0	100.0	Pass
Clofentezine	ND	ND	10.0	100.0	Pass
Daminozide	ND	ND	10.0	100.0	Pass
DDVP (Dichlorvos)	ND	ND	10.0	100.0	Pass
Diazinon	ND	ND	10.0	100.0	Pass
Dimethoate	ND	ND	10.0	100.0	Pass
Ethoprophos (Prophos)	ND	ND	10.0	100.0	Pass
Etofenprox	ND	ND	10.0	100.0	Pass
Fenoxycarb	ND	ND	10.0	100.0	Pass
Fenpyroximate	ND	ND	10.0	100.0	Pass
Fipronil	ND	ND	10.0	100.0	Pass
Hexythiazox	ND	ND	10.0	100.0	Pass
Imazalil	ND	ND	10.0	100.0	Pass
Kresoxim-methyl	ND	ND	10.0	100.0	Pass
Malathion	ND	ND	10.0	100.0	Pass
Metalaxyl	ND	ND	10.0	100.0	Pass
Methiocarb	ND	ND	10.0	100.0	Pass
Methomyl	ND	ND	10.0	100.0	Pass
Methyl parathion	ND	ND	10.0	100.0	Pass
MGK 264 (TM)	ND	ND	10.0	100.0	Pass
Naled	ND	ND	10.0	100.0	Pass
Oxamyl	ND	ND	10.0	100.0	Pass

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# Certificate of Analysis

Pesticide	Result (ppm)	Result (ppb)	LOQ (ppb)	Limit (ppb)	Status
Paclobutrazol	ND	ND	10.0	100.0	Pass
Permethrin	ND	ND	10.0	100.0	Pass
Phosmet	ND	ND	10.0	100.0	Pass
Prallethrin	ND	ND	10.0	100.0	Pass
Propiconazole	ND	ND	10.0	100.0	Pass
Propoxur	ND	ND	10.0	100.0	Pass
Pyridaben	ND	ND	10.0	100.0	Pass
Spiroxamine	ND	ND	10.0	100.0	Pass
Tebuconazole	ND	ND	10.0	100.0	Pass
Thiacloprid	ND	ND	10.0	100.0	Pass
Trifloxystrobin	ND	ND	10.0	100.0	Pass
Spiromesifen	ND	ND	10.0	100.0	Pass



Elena Caruso  
 Analyst  
 09/21/2023

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