

# Certificate of Analysis



**Sample Name:** Soma Chocolate Mint  
**Client:** Soma Kratom  
**Sample Code:** DTS-251021-062  
**Matrix Name:** Emulsion - Liquid  
**Type / Result:** Quality Assurance - Pass



**Received Date:** Wed, Oct 22, 2025  
**Published Date:** Thu, Oct 30, 2025  
**Batch/Lot Code:** A1025C-1  
**Batch Size:** N/A  
**Sample Size:** 1U  
**Average Unit Weight:** 16.1758g (Density (g/mL) x 15.5mL. 6 servings/package.)

## RESULT SUMMARY

Mitragynine	57.08 mg /serv
Total Major Alkaloids	61.46 mg /serv

ALKU   
**Kratom Alkaloids**  
High Level

ALKL   
**Kratom Alkaloids**  
Low Level

SS   
**Salmonella & STEC**  
qPCR

DEN   
**Density of Liquids**

HVMET   
**Heavy Metals**  
Big 4

## Approvals

### RESULTS REVIEWED BY:

**Leslie Varela**  
Laboratory Director

Cambium Analytica  
Thursday, Oct 30, 2025

### RESULTS CERTIFIED BY:

**Douglas Smith**  
VP - Scientific  
Operations

Cambium Analytica  
Thursday, Oct 30, 2025

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## Lab Information

**Address:** 1230 Woodmere Ave, Traverse City, MI 49686 **Phone:** 231.252.3669 **Accreditation:** ISO/IEC 17025:2017 – #108157



ALKU

**Kratom Alkaloids - High Level**LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD  
ALKU-DTS-251021-062-01 - SAT, OCT 25, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	2.1174 %	21.1737 mg/g	57.08 mg	342.50 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.0965 %	0.9653 mg/g	2.60 mg	15.61 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.0512 %	0.5123 mg/g	1.38 mg	8.29 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.0147 %	0.1466 mg/g	0.40 mg	2.37 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids*	2.2798 %	22.7980 mg/g	61.46 mg	368.78 mg	N/A	N/A	N/A	N/A

\*Total Major Alkaloids is calculated as the sum of Mitragynine, Paynantheine, Speciociliatine and Speciogynine.

ALKL

**Kratom Alkaloids - Low Level**LAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TQ  
ALKL-DTS-251021-062-01 - THU, OCT 30, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00516 %	0.05164 mg/g	0.14 mg	0.84 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00003 %	0.00029 mg/g	0.00 mg	0.00 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids*	0.00519 %	0.05193 mg/g	0.14 mg	0.84 mg	N/A	N/A	N/A	N/A

\*Total Minor Alkaloids is calculated as the sum of 7-Hydroxymitragynine and Mitraphylline.

SS

**Salmonella & STEC - qPCR**LAB-TM-006 - Microbial Analysis by qPCR  
SS-DTS-251021-062-01 - SAT, OCT 25, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Salmonella spp.	ND	N/A	N/A	N/A	N/A
Shiga Toxin Producing E. coli	ND	N/A	N/A	N/A	N/A

DEN

**Density of Liquids**LAB-TM-017 - Brix & Density Analysis  
DEN-DTS-251021-062-01 - FRI, OCT 24, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Density	1.0436 g/mL	N/A	N/A	N/A	N/A
Specific Gravity*	1.0455	N/A	N/A	N/A	N/A

\*Specific gravity is calculated using the density of water at 20 °C (0.9982 g/mL) using the equation:  
[Specific Gravity = (Density of sample in g/mL) ÷ 0.9982 g/mL]

HVMET

## Heavy Metals - Big 4

LAB-TM-044 - Determination of Heavy Metals by ICP-MS  
HVMET-DTS-251021-062-01 - FRI, OCT 24, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	0.006 ug/g	0.000 mg/g	0.02 ug	0.09 ug	N/A	0.509 ug/kg	2.062 ug/kg	N/A
Cadmium	ND	N/A	N/A	N/A	N/A	0.256 ug/kg	0.509 ug/kg	N/A
Lead	ND	N/A	N/A	N/A	N/A	0.255 ug/kg	0.515 ug/kg	N/A
Mercury	0.001 ug/g	0.000 mg/g	0.00 ug	0.02 ug	N/A	0.025 ug/kg	0.057 ug/kg	N/A

