

# Certificate of Analysis



**Sample Name:** CH MINT  
**Client:** Soma Kratom  
**Sample Code:** DTS-260206-051  
**Matrix Name:** Emulsion - Liquid  
**Type / Result:** Quality Assurance - Pass



**Received Date:** Mon, Feb 9, 2026  
**Published Date:** Thu, Feb 12, 2026  
**Batch/Lot Code:** A0126C-1  
**Batch Size:** N/A  
**Sample Size:** 1U  
**Average Unit Weight:** 16.1991g (Density (g/mL) x 15.5mL package. 6 servings/package)

## RESULT SUMMARY

Mitragynine	59.38 mg /serv
Total Major Alkaloids	72.66 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** Cambium Analytica  
Laboratory Director Thursday, Feb 12, 2026

### RESULTS CERTIFIED BY:

**Douglas Smith** Cambium Analytica  
VP - Scientific Operations Thursday, Feb 12, 2026

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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-260206-051-01 - WED, FEB 11, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	2.1994 %	21.9937 mg/g	59.38 mg	356.28 mg	N/A	0.0005 mg/g	0.001 mg/g	N/A
Paynantheine	0.2523 %	2.5226 mg/g	6.81 mg	40.86 mg	N/A	0.0005 mg/g	0.001 mg/g	N/A
Speciogynine	0.1702 %	1.7016 mg/g	4.59 mg	27.57 mg	N/A	0.0005 mg/g	0.001 mg/g	N/A
Speciociliatine	0.0694 %	0.6944 mg/g	1.87 mg	11.25 mg	N/A	0.0005 mg/g	0.001 mg/g	N/A
Total Major Alkaloids*	2.6912 %	26.9123 mg/g	72.66 mg	435.96 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-260206-051-01 - THU, FEB 12, 2026



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00082 %	0.00823 mg/g	0.02 mg	0.13 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00004 %	0.00040 mg/g	0.00 mg	0.01 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids*	0.00086 %	0.00863 mg/g	0.02 mg	0.14 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-260206-051-01 - WED, FEB 11, 2026



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-260206-051-01 - TUE, FEB 10, 2026



Analyte	Value	Action Limit	LOD	LOQ	Status
Density	1.0451 g/mL	N/A	N/A	N/A	N/A
Specific Gravity*	1.0470	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-260206-051-01 - WED, FEB 11, 2026



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	ND	N/A	N/A	N/A	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	0.001 ug/g	0.000 mg/g	0.00 ug	0.01 ug	N/A	0.255 ug/kg	0.515 ug/kg	N/A
Mercury	ND	N/A	N/A	N/A	N/A	0.025 ug/kg	0.057 ug/kg	N/A

