

# Certificate of Analysis

**Sample Name:** soma 300  
**Client:** Soma Kratom  
**Sample Code:** DTS-260309-060  
**Matrix Name:** Emulsion - Liquid  
**Type / Result:** Quality Assurance - Pass




**Received Date:** Wed, Mar 11, 2026  
**Published Date:** Tue, Mar 17, 2026  
**Batch/Lot Code:** A02263-2  
**Batch Size:** N/A  
**Sample Size:** 1U  
**Average Unit Weight:** 16.1371g (Density (g/mL) x 15.5mL package. 6 servings/package)


## RESULT SUMMARY


Mitragynine	59.37 mg /serv
Total Major Alkaloids	74.00 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  
Tuesday, Mar 17, 2026

### RESULTS CERTIFIED BY:

**Douglas Smith**  
VP - Scientific  
Operations

Cambium Analytica  
Tuesday, Mar 17, 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-260309-060-01 - FRI, MAR 13, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	2.2075 %	22.0749 mg/g	59.37 mg	356.22 mg	N/A	0.0005 mg/g	0.001 mg/g	N/A
Paynantheine	0.2549 %	2.5487 mg/g	6.85 mg	41.13 mg	N/A	0.0005 mg/g	0.001 mg/g	N/A
Speciogynine	0.1846 %	1.8463 mg/g	4.97 mg	29.79 mg	N/A	0.0005 mg/g	0.001 mg/g	N/A
Speciociliatine	0.1044 %	1.0444 mg/g	2.81 mg	16.85 mg	N/A	0.0005 mg/g	0.001 mg/g	N/A
Total Major Alkaloids*	2.7514 %	27.5144 mg/g	74.00 mg	444.00 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-260309-060-01 - TUE, MAR 17, 2026



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00758 %	0.07581 mg/g	0.20 mg	1.22 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00007 %	0.00073 mg/g	0.00 mg	0.01 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids*	0.00765 %	0.07653 mg/g	0.21 mg	1.24 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-260309-060-01 - FRI, MAR 13, 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-260309-060-01 - THU, MAR 12, 2026



Analyte	Value	Action Limit	LOD	LOQ	Status
Density	1.0411 g/mL	N/A	N/A	N/A	N/A
Specific Gravity*	1.0430	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-260309-060-01 - FRI, MAR 13, 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	19.651 ug/kg	99.246 ug/kg	N/A
Cadmium	ND	N/A	N/A	N/A	N/A	4.168 ug/kg	24.811 ug/kg	N/A
Lead	ND	N/A	N/A	N/A	N/A	3.176 ug/kg	24.811 ug/kg	N/A
Mercury	ND	N/A	N/A	N/A	N/A	1.191 ug/kg	2.481 ug/kg	N/A

USP &lt;233&gt;, USP &lt;730&gt;, USP &lt;1730&gt;

