

Certificate of Analysis



Sample Name: Soma 300
Client: Soma Kratom
Sample Code: DTS-251215-046
Matrix Name: Emulsion - Liquid
Type / Result: Quality Assurance - Pass



Received Date: Thu, Dec 18, 2025
Published Date: Tue, Dec 30, 2025
Batch/Lot Code: A-12253-2 po2007
Batch Size: N/A
Sample Size: 1U
Average Unit Weight: 16.1293g (Density (g/mL) x 15.5mL package. 6 servings/package)

RESULT SUMMARY

Mitragynine	49.18 mg /serv
Total Major Alkaloids	62.74 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, Dec 30, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations

Cambium Analytica
Tuesday, Dec 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-251215-046-02 - TUE, DEC 30, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.8293 %	18.2930 mg/g	49.18 mg	295.05 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.2546 %	2.5460 mg/g	6.84 mg	41.07 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.1393 %	1.3933 mg/g	3.75 mg	22.47 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.1106 %	1.1062 mg/g	2.97 mg	17.84 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids*	2.3338 %	23.3384 mg/g	62.74 mg	376.43 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-251215-046-01 - MON, DEC 22, 2025



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00646 %	0.06461 mg/g	0.17 mg	1.04 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00023 %	0.00227 mg/g	0.01 mg	0.04 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids*	0.00669 %	0.06688 mg/g	0.18 mg	1.08 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-251215-046-01 - MON, DEC 22, 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-251215-046-01 - FRI, DEC 19, 2025



Analyte	Value	Action Limit	LOD	LOQ	Status
Density	1.0406 g/mL	N/A	N/A	N/A	N/A
Specific Gravity*	1.0425	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-251215-046-01 - MON, DEC 22, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	0.041 ug/g	0.000 mg/g	0.11 ug	0.66 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	0.001 ug/g	0.000 mg/g	0.00 ug	0.02 ug	N/A	0.255 ug/kg	0.515 ug/kg	N/A
Mercury	0.000 ug/g	0.000 mg/g	0.00 ug	0.01 ug	N/A	0.025 ug/kg	0.057 ug/kg	N/A

