

Certificate of Analysis

Sample Name: SOMA 300
Client: Soma Kratom
Sample Code: DTS-251117-037
Matrix Name: Emulsion - Liquid
Type / Result: Quality Assurance - Pass



Received Date: Tue, Nov 18, 2025
Published Date: Fri, Nov 21, 2025
Batch/Lot Code: A11253-1 2005
Batch Size: N/A
Sample Size: 1U
Average Unit Weight: 16.1215g (Density (g/mL) x 15.5mL package. 6 servings/package.)

RESULT SUMMARY

Mitragynine	50.10 mg /serv
Total Major Alkaloids	64.09 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
Friday, Nov 21, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific
Operations

Cambium Analytica
Friday, Nov 21, 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-251117-037-03 - FRI, NOV 21, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.8645 %	18.6452 mg/g	50.10 mg	300.59 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.2613 %	2.6125 mg/g	7.02 mg	42.12 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.1428 %	1.4278 mg/g	3.84 mg	23.02 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.1168 %	1.1675 mg/g	3.14 mg	18.82 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids*	2.3853 %	23.8531 mg/g	64.09 mg	384.55 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-251117-037-01 - FRI, NOV 21, 2025



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00551 %	0.05510 mg/g	0.15 mg	0.89 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00027 %	0.00274 mg/g	0.01 mg	0.04 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids*	0.00578 %	0.05785 mg/g	0.16 mg	0.93 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-251117-037-01 - THU, NOV 20, 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-251117-037-01 - WED, NOV 19, 2025



Analyte	Value	Action Limit	LOD	LOQ	Status
Density	1.0401 g/mL	N/A	N/A	N/A	N/A
Specific Gravity*	1.0420	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-251117-037-01 - THU, NOV 20, 2025



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	0.021 ug/g	0.000 mg/g	0.06 ug	0.34 ug	N/A	0.509 ug/kg	2.062 ug/kg	N/A
Cadmium	<LOQ	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	0.001 ug/g	0.000 mg/g	0.00 ug	0.02 ug	N/A	0.025 ug/kg	0.057 ug/kg	N/A

