

Certificate of Analysis



Sample Name: Soma 300
Client: Soma Kratom
Sample Code: DTS-251117-038
Matrix Name: Emulsion - Liquid
Type / Result: Quality Assurance - Pass



Received Date: Tue, Nov 18, 2025
Published Date: Mon, Nov 24, 2025
Batch/Lot Code: A 10253-3
Batch Size: N/A
Sample Size: 1U
Average Unit Weight: 16.1045g (Density (g/mL) x 15.5mL package. 6 servings/package.)

RESULT SUMMARY

Mitragynine	54.24 mg /serv
Total Major Alkaloids	58.20 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
Monday, Nov 24, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific
Operations

Cambium Analytica
Monday, Nov 24, 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-251117-038-01 - THU, NOV 20, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	2.0208 %	20.2078 mg/g	54.24 mg	325.44 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.0893 %	0.8934 mg/g	2.40 mg	14.39 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.0464 %	0.4639 mg/g	1.25 mg	7.47 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.0119 %	0.1193 mg/g	0.32 mg	1.92 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids*	2.1684 %	21.6844 mg/g	58.20 mg	349.22 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-251117-038-01 - MON, NOV 24, 2025



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.01456 %	0.14559 mg/g	0.39 mg	2.34 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	ND	N/A	N/A	N/A	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids*	0.01456 %	0.14559 mg/g	0.39 mg	2.34 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-251117-038-01 - 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-251117-038-01 - WED, NOV 19, 2025



Analyte	Value	Action Limit	LOD	LOQ	Status
Density	1.0390 g/mL	N/A	N/A	N/A	N/A
Specific Gravity*	1.0409	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-251117-038-01 - THU, NOV 20, 2025



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	0.024 ug/g	0.000 mg/g	0.06 ug	0.38 ug	N/A	0.509 ug/kg	2.062 ug/kg	N/A
Cadmium	0.001 ug/g	0.000 mg/g	0.00 ug	0.01 ug	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	0.01 ug	N/A	0.025 ug/kg	0.057 ug/kg	N/A

