

Certificate of Analysis



Sample Name: Soma 100
Client: Soma Kratom
Sample Code: DTS-251021-051
Matrix Name: Emulsion - Liquid
Type / Result: Quality Assurance - Pass



Received Date: Wed, Oct 22, 2025
Published Date: Thu, Oct 30, 2025
Batch/Lot Code: A10251-1
Batch Size: N/A
Sample Size: 1U
Average Unit Weight: 16.0859g (Density (g/mL) x 15.5mL, 6 servings/package.)

RESULT SUMMARY

Mitragynine	18.37 mg /serv
Total Major Alkaloids	19.76 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
Thursday, Oct 30, 2025

RESULTS CERTIFIED BY:

 **Douglas Smith**
VP - Scientific Operations
Cambium Analytica
Thursday, Oct 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 LevelLAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD
ALKU-DTS-251021-051-01 - SAT, OCT 25, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.6853 %	6.8534 mg/g	18.37 mg	110.24 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.0347 %	0.3471 mg/g	0.93 mg	5.58 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.0171 %	0.1714 mg/g	0.46 mg	2.76 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	ND	N/A	N/A	N/A	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids*	0.7372 %	7.3720 mg/g	19.76 mg	118.59 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 LevelLAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TQ
ALKL-DTS-251021-051-01 - THU, OCT 30, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00687 %	0.06866 mg/g	0.18 mg	1.10 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00000 %	0.00004 mg/g	0.00 mg	0.00 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids*	0.00687 %	0.06869 mg/g	0.18 mg	1.10 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 - qPCRLAB-TM-006 - Microbial Analysis by qPCR
SS-DTS-251021-051-01 - SAT, OCT 25, 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 LiquidsLAB-TM-017 - Brix & Density Analysis
DEN-DTS-251021-051-01 - FRI, OCT 24, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Density	1.0378 g/mL	N/A	N/A	N/A	N/A
Specific Gravity*	1.0397	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-251021-051-01 - FRI, OCT 24, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	0.035 ug/g	0.000 mg/g	0.09 ug	0.56 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	0.002 ug/g	0.000 mg/g	0.00 ug	0.03 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	0.01 ug	N/A	0.025 ug/kg	0.057 ug/kg	N/A

