

Certificate of Analysis



Sample Name: Soma 300
Client: Soma Kratom
Sample Code: DTS-251021-063
Matrix Name: Emulsion - Liquid
Type / Result: Quality Assurance - Pass



Received Date: Wed, Oct 22, 2025
Published Date: Thu, Oct 30, 2025
Batch/Lot Code: A10253-2
Batch Size: N/A
Sample Size: 1U
Average Unit Weight: 16.1107g (Density (g/mL) x 15.5mL, 6 servings/package.)

RESULT SUMMARY

Mitragynine	55.53 mg /serv
Total Major Alkaloids	59.69 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 Level

LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD
 ALKU-DTS-251021-063-01 - SAT, OCT 25, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	2.0679 %	20.6790 mg/g	55.53 mg	333.15 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.0940 %	0.9395 mg/g	2.52 mg	15.14 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.0479 %	0.4786 mg/g	1.29 mg	7.71 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.0134 %	0.1342 mg/g	0.36 mg	2.16 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids*	2.2231 %	22.2314 mg/g	59.69 mg	358.16 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-251021-063-02 - THU, OCT 30, 2025



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.01156 %	0.11555 mg/g	0.31 mg	1.86 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00006 %	0.00057 mg/g	0.00 mg	0.01 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids*	0.01161 %	0.11613 mg/g	0.31 mg	1.87 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-251021-063-01 - 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 Liquids

LAB-TM-017 - Brix & Density Analysis
 DEN-DTS-251021-063-01 - FRI, OCT 24, 2025



Analyte	Value	Action Limit	LOD	LOQ	Status
Density	1.0394 g/mL	N/A	N/A	N/A	N/A
Specific Gravity*	1.0413	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-251021-063-01 - FRI, OCT 24, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	0.013 ug/g	0.000 mg/g	0.04 ug	0.22 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	ND	N/A	N/A	N/A	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

