

Certificate of Analysis



Sample Name: Soma ch-mt
Client: Soma Kratom
Sample Code: DTS-251215-047
Matrix Name: Emulsion - Liquid
Type / Result: Quality Assurance - Pass



Received Date: Thu, Dec 18, 2025
Published Date: Tue, Dec 23, 2025
Batch/Lot Code: A1125c- po -2006
Batch Size: N/A
Sample Size: 1U
Average Unit Weight: 16.1773g (Density (g/mL) x 15.5mL package. 6 servings/package)

RESULT SUMMARY

Mitragynine	50.53 mg /serv
Total Major Alkaloids	64.43 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 23, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations

Cambium Analytica
Tuesday, Dec 23, 2025

This report may not be reproduced except in full without approval from Cambium Analytica. The results herein relate only to the sample & batch identified in this report.

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-251215-047-03 - MON, DEC 22, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.8742 %	18.7420 mg/g	50.53 mg	303.19 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.2603 %	2.6030 mg/g	7.02 mg	42.11 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.1420 %	1.4203 mg/g	3.83 mg	22.98 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.1132 %	1.1318 mg/g	3.05 mg	18.31 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids*	2.3897 %	23.8971 mg/g	64.43 mg	386.59 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-251215-047-01 - MON, DEC 22, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00232 %	0.02323 mg/g	0.06 mg	0.38 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00023 %	0.00226 mg/g	0.01 mg	0.04 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids*	0.00255 %	0.02549 mg/g	0.07 mg	0.41 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-251215-047-01 - 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 LiquidsLAB-TM-017 - Brix & Density Analysis
DEN-DTS-251215-047-01 - FRI, DEC 19, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Density	1.0437 g/mL	N/A	N/A	N/A	N/A
Specific Gravity*	1.0456	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-251215-047-01 - MON, DEC 22, 2025

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

