

Certificate of Analysis

Sample Name: Soma 200
Client: Soma Kratom
Sample Code: DTS-250811-040
Matrix Name: Emulsion - Liquid
Type / Result: Quality Assurance - Pass



Received Date: Tue, Aug 12, 2025
Published Date: Mon, Aug 18, 2025
Batch/Lot Code: A08251-1
Batch Size: N/A
Sample Size: 1U
Average Unit Weight: 16.0425g (Density (g/mL) x 15.5mL package. 6 servings/package.)

RESULT SUMMARY

Mitragynine	37.07 mg /serv
Total Major Alkaloids	39.91 mg /serv
Total Minor Alkaloids	0.14 mg /serv

ALKU ✓ Kratom Alkaloids High Level	ALKL ✓ Kratom Alkaloids Low Level	TAMC ✓ Total Aerobic Bacteria Plate	SS ✓ Salmonella & STEC qPCR	DEN ✓ Density of Liquids
HVMET ✓ Heavy Metals Big 4	TYMFD ✓ Total Yeast & Mold Plate	COLIF ✓ Total Coliforms Plate		

Approvals

RESULTS REVIEWED BY:

 **Leslie Varela**
Laboratory Director
Cambium Analytica
Monday, Aug 18, 2025

RESULTS CERTIFIED BY:

 **Douglas Smith**
VP - Scientific Operations
Cambium Analytica
Monday, Aug 18, 2025

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ALKU

Kratom Alkaloids - High Level

LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD
 ALKU-DTS-250811-040-02 - THU, AUG 14, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.3864 %	13.8639 mg/g	37.07 mg	222.41 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.0645 %	0.6448 mg/g	1.72 mg	10.35 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.0323 %	0.3232 mg/g	0.86 mg	5.18 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.0096 %	0.0963 mg/g	0.26 mg	1.55 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	1.4928 %	14.9283 mg/g	39.91 mg	239.49 mg	N/A	N/A	N/A	N/A

ALKL

Kratom Alkaloids - Low Level

LAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TQ
 ALKL-DTS-250811-040-01 - THU, AUG 14, 2025



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00539 %	0.05394 mg/g	0.14 mg	0.87 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00001 %	0.00013 mg/g	0.00 mg	0.00 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.00541 %	0.05407 mg/g	0.14 mg	0.87 mg	N/A	0.006 ug/g	0.03 ug/g	N/A

TAMC

Total Aerobic Bacteria - Plate - 25g - Full Range

LAB-TM-060 - Enumeration of Total Aerobic Count in Foods and Dietary Supplements
 TAMC-DTS-250811-040-01 - THU, AUG 14, 2025



Analyte	Value	Action Limit	LOD	LOQ	Status
Total Aerobic Count	ND	N/A	10 CFU/g	10 CFU/g	N/A

Due to limited sample quantity submitted, testing was conducted on a 1-gram aliquot

SS

Salmonella & STEC - qPCR

LAB-TM-006 - Microbial Analysis by qPCR
 SS-DTS-250811-040-01 - THU, AUG 14, 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-250811-040-01 - WED, AUG 13, 2025



Analyte	Value	Action Limit	LOD	LOQ	Status
Density	1.0350 g/mL	N/A	N/A	N/A	N/A



HVMET

Heavy Metals - Big 4LAB-TM-044 - Determination of Heavy Metals by ICP-MS
HVMET-DTS-250811-040-01 - THU, AUG 14, 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	0.39 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	0.001 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	ND	N/A	N/A	N/A	N/A	0.025 ug/kg	0.057 ug/kg	N/A

TYMFD

Total Yeast & Mold - Plate - 25g - Full RangeLAB-TM-061 - Enumeration of Yeast and Mold in Foods and Dietary Supplements
TYMFD-DTS-250811-040-01 - FRI, AUG 15, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Total Mold	ND	N/A	10 CFU/g	10 CFU/g	N/A
Total Yeast	ND	N/A	10 CFU/g	10 CFU/g	N/A
Total Yeast and Mold	ND	N/A	10 CFU/g	10 CFU/g	N/A

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COLIF

Total Coliforms - Plate - 25g - Full RangeLAB-TM-026 - Enumeration of Total Coliforms on 3M CC Plates
COLIF-DTS-250811-040-01 - THU, AUG 14, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Total Coliforms	ND	N/A	10 CFU/g	10 CFU/g	N/A

Due to limited sample quantity submitted, testing was conducted on a 1-gram aliquot

