

# Certificate of Analysis

**Sample Name:** Soma 100  
**Client:** Soma Kratom  
**Sample Code:** DTS-250811-041  
**Matrix Name:** Emulsion - Liquid  
**Type / Result:** Quality Assurance - Pass



**Received Date:** Tue, Aug 12, 2025  
**Published Date:** Mon, Aug 18, 2025  
**Batch/Lot Code:** A08252-1  
**Batch Size:** N/A  
**Sample Size:** 1U  
**Average Unit Weight:** 16.0379g (Density (g/mL) x 15.5mL package. 6 servings/package.)

## RESULT SUMMARY

Mitragynine	17.06 mg /serv
Total Major Alkaloids	18.39 mg /serv
Total Minor Alkaloids	0.05 mg /serv

<b>ALKU</b> ✓ Kratom Alkaloids High Level	<b>ALKL</b> ✓ Kratom Alkaloids Low Level	<b>TAMC</b> ✓ Total Aerobic Bacteria Plate	<b>SS</b> ✓ Salmonella & STEC qPCR	<b>DEN</b> ✓ Density of Liquids
<b>HVMET</b> ✓ Heavy Metals Big 4	<b>TYMFD</b> ✓ Total Yeast & Mold Plate	<b>COLIF</b> ✓ 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-250811-041-02 - THU, AUG 14, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.6382 %	6.3822 mg/g	17.06 mg	102.36 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.0324 %	0.3239 mg/g	0.87 mg	5.19 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.0151 %	0.1512 mg/g	0.40 mg	2.43 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.0024 %	0.0240 mg/g	0.06 mg	0.38 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	0.6881 %	6.8814 mg/g	18.39 mg	110.36 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-250811-041-01 - THU, AUG 14, 2025



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00172 %	0.01718 mg/g	0.05 mg	0.28 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	0.00172 %	0.01718 mg/g	0.05 mg	0.28 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-250811-041-01 - 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-250811-041-01 - 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-250811-041-01 - WED, AUG 13, 2025



Analyte	Value	Action Limit	LOD	LOQ	Status
Density	1.0347 g/mL	N/A	N/A	N/A	N/A



**HVMET**

**Heavy Metals - Big 4**

LAB-TM-044 - Determination of Heavy Metals by ICP-MS  
 HVMET-DTS-250811-041-01 - THU, AUG 14, 2025



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	0.037 ug/g	0.000 mg/g	0.10 ug	0.59 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	0.01 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 Range**

LAB-TM-061 - Enumeration of Yeast and Mold in Foods and Dietary Supplements  
 TYMFD-DTS-250811-041-01 - 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 Range**

LAB-TM-026 - Enumeration of Total Coliforms on 3M CC Plates  
 COLIF-DTS-250811-041-01 - 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*

