

# CERTIFICATE OF ANALYSIS

**SAMPLE NAME:** SOMA 100  
**SAMPLE CODE:** DTS-250422-044  
**CLIENT:** SOMA KRATOM  
**BATCH RESULT:** PASS



**MATRIX NAME:** Emulsion - Liquid  
**SAMPLE TYPE:** Quality Assurance  
**RECEIVED DATE:** Wed, Apr 23, 2025  
**PUBLISHED DATE:** Tue, Apr 29, 2025  
**BATCH/LOT CODE:** A04251-1  
**BATCH SIZE:** N/A  
**SAMPLE SIZE:** 1U  
**AVERAGE UNIT WEIGHT:** 15.57g (Density (g/mL) x 15mL package. 6 servings/package.)

**MITRAGYNINE** 19.26 mg / serv

**TOTAL MAJOR ALKALOIDS** 21.07 mg / serv

**TOTAL MINOR ALKALOIDS** 0.05 mg / serv

ALKU ✓

**Kratom Alkaloids**  
High Level

ALKL ✓

**Kratom Alkaloids**  
Low Level

SS ✓

**Salmonella & STEC**  
qPCR

DEN ✓

**Density of Liquids**

HVMET ✓

**Heavy Metals**  
4

## APPROVALS

### RESULTS REVIEWED BY:



**Leslie Varela**  
Laboratory Director

Cambium Analytica  
Tuesday, Apr 29, 2025

### RESULTS CERTIFIED BY:



**Douglas Smith**  
VP - Scientific Operations

Cambium Analytica  
Tuesday, Apr 29, 2025

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ALKU

**KRATOM ALKALOIDS - HIGH LEVEL**LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD  
ALKU-DTS-250422-044-01 - MON, APR 28, 2025

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	0.7423 %	7.423 mg/g	19.26 mg	115.58 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.0409 %	0.409 mg/g	1.06 mg	6.37 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.0219 %	0.219 mg/g	0.57 mg	3.41 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.0069 %	0.069 mg/g	0.18 mg	1.07 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	0.8120 %	8.120 mg/g	21.07 mg	126.43 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-250422-044-01 - MON, APR 28, 2025

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.00179 %	0.018 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	0.00179 %	0.018 mg/g	0.05 mg	0.28 mg	N/A	0.006 ug/g	0.03 ug/g	N/A

SS

**SALMONELLA & STEC- QPCR**LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR  
SS-DTS-250422-044-01 - FRI, APR 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 - BRUX & DENSITY ANALYSIS  
DEN-DTS-250422-044-01 - FRI, APR 25, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Density	1.0380 g/mL	N/A	N/A	N/A	N/A

HVMET

**HEAVY METALS - 4**LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS  
HVMET-DTS-250422-044-01 - FRI, APR 25, 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	0.198 ug/kg	0.662 ug/kg	N/A
Cadmium	0.001 ug/g	0.000 mg/g	0.00 ug	0.01 ug	N/A	0.082 ug/kg	0.272 ug/kg	N/A
Lead	0.002 ug/g	0.000 mg/g	0.00 ug	0.03 ug	N/A	0.155 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	0.017 ug/kg	0.057 ug/kg	N/A

