

# CERTIFICATE OF ANALYSIS

**SAMPLE NAME:** SOMA 300  
**SAMPLE CODE:** DTS-250513-042  
**CLIENT:** SOMA KRATOM  
**BATCH RESULT:** PASS



**MATRIX NAME:** Emulsion - Liquid  
**SAMPLE TYPE:** Quality Assurance  
**RECEIVED DATE:** Wed, May 14, 2025  
**PUBLISHED DATE:** Mon, May 19, 2025  
**BATCH/LOT CODE:** A05253-1  
**BATCH SIZE:** 408.72L  
**SAMPLE SIZE:** 1U  
**AVERAGE UNIT WEIGHT:** 15.5805g (Density (g/mL) x 15mL package. 6 servings/package)

**MITRAGYNINE** 51.09 mg / serv

**TOTAL MAJOR ALKALOIDS** 55.99 mg / serv

**TOTAL MINOR ALKALOIDS** 0.17 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  
Monday, May 19, 2025

### RESULTS CERTIFIED BY:



**Douglas Smith**  
VP - Scientific Operations

Cambium Analytica  
Monday, May 19, 2025

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ALKU

**KRATOM ALKALOIDS - HIGH LEVEL**LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD  
ALKU-DTS-250513-042-01 - FRI, MAY 16, 2025

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	1.9676 %	19.6760 mg/g	51.09 mg	306.56 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.1077 %	1.0770 mg/g	2.80 mg	16.78 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.0586 %	0.5860 mg/g	1.52 mg	9.13 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.0223 %	0.2230 mg/g	0.58 mg	3.47 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	2.1562 %	21.5620 mg/g	55.99 mg	335.95 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-250513-042-01 - MON, MAY 19, 2025

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.00660 %	0.06601 mg/g	0.17 mg	1.03 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00001 %	0.00006 mg/g	0.00 mg	0.00 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.00661 %	0.06606 mg/g	0.17 mg	1.03 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-250513-042-01 - FRI, MAY 16, 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-250513-042-01 - FRI, MAY 16, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Density	1.0387 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-250513-042-01 - FRI, MAY 16, 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	0.02 ug	N/A	0.082 ug/kg	0.272 ug/kg	N/A
Lead	<LOQ	N/A	N/A	N/A	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

