

# CERTIFICATE OF ANALYSIS

**SAMPLE NAME:** SOMA300  
**SAMPLE CODE:** DTS-250527-025  
**CLIENT:** SOMA KRATOM  
**BATCH RESULT:** PASS



**MATRIX NAME:** Emulsion - Liquid  
**SAMPLE TYPE:** Quality Assurance  
**RECEIVED DATE:** Wed, May 28, 2025  
**PUBLISHED DATE:** Mon, Jun 2, 2025  
**BATCH/LOT CODE:** A05253-2  
**BATCH SIZE:** N/A  
**SAMPLE SIZE:** 1U  
**AVERAGE UNIT WEIGHT:** 15.534g (Density (g/mL) x 15mL package. 6 servings/package)

**MITRAGYNINE** 53.75 mg / serv

**TOTAL MAJOR ALKALOIDS** 58.65 mg / serv

**TOTAL MINOR ALKALOIDS** 0.13 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, Jun 2, 2025

### RESULTS CERTIFIED BY:

**Douglas Smith**  
VP - Scientific Operations

Cambium Analytica  
Monday, Jun 2, 2025

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ALKU

**KRATOM ALKALOIDS - HIGH LEVEL**LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD  
ALKU-DTS-250527-025-01 - MON, JUN 2, 2025

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	2.0762 %	20.7620 mg/g	53.75 mg	322.52 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.1090 %	1.0900 mg/g	2.82 mg	16.93 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.0573 %	0.5730 mg/g	1.48 mg	8.90 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.0229 %	0.2290 mg/g	0.59 mg	3.56 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	2.2654 %	22.6540 mg/g	58.65 mg	351.91 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-250527-025-01 - MON, JUN 2, 2025

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.00517 %	0.05166 mg/g	0.13 mg	0.80 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00001 %	0.00005 mg/g	0.00 mg	0.00 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.00517 %	0.05172 mg/g	0.13 mg	0.80 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-250527-025-01 - FRI, MAY 30, 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-250527-025-01 - THU, MAY 29, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Density	1.0356 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-250527-025-01 - FRI, MAY 30, 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	ND	N/A	N/A	N/A	N/A	0.256 ug/kg	0.509 ug/kg	N/A
Lead	0.005 ug/g	0.000 mg/g	0.01 ug	0.07 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

