

# CERTIFICATE OF ANALYSIS

**SAMPLE NAME:** SOMA CHOCOLATE MINT  
**SAMPLE CODE:** DTS-250422-045  
**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:** A0425C-1  
**BATCH SIZE:** N/A  
**SAMPLE SIZE:** 1U  
**AVERAGE UNIT WEIGHT:** 15.6375g (Density (g/mL) x 15mL package. 6 servings/package.)

**MITRAGYNINE** 54.38 mg / serv

**TOTAL MAJOR ALKALOIDS** 59.03 mg / serv

**TOTAL MINOR ALKALOIDS** 0.09 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-250422-045-01 - MON, APR 28, 2025

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	2.0865 %	20.865 mg/g	54.38 mg	326.28 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.1005 %	1.005 mg/g	2.62 mg	15.72 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.0557 %	0.557 mg/g	1.45 mg	8.71 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.0221 %	0.221 mg/g	0.58 mg	3.46 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	2.2648 %	22.648 mg/g	59.03 mg	354.16 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-250422-045-01 - MON, APR 28, 2025

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.00358 %	0.036 mg/g	0.09 mg	0.56 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00000 %	0.000 mg/g	0.00 mg	0.00 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.00359 %	0.036 mg/g	0.09 mg	0.56 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-250422-045-01 - 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-250422-045-01 - FRI, APR 25, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Density	1.0425 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-250422-045-01 - 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	0.004 ug/g	0.000 mg/g	0.01 ug	0.07 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

