

# CERTIFICATE OF ANALYSIS



**SAMPLE NAME:** SOMA 300

**SAMPLE CODE:** DTS-240827-064

**CLIENT:** SOMA KRATOM

**BATCH RESULT:** PASS

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**MATRIX NAME:** Edible Liquid - Emulsion

**SAMPLE TYPE:** Quality Assurance

**RECEIVED DATE:** Wed, Aug 28, 2024

**PUBLISHED DATE:** Tue, Sep 3, 2024

**BATCH/LOT CODE:** A08243-3

**BATCH SIZE:** N/A

**SAMPLE SIZE:** 1U

**AVERAGE UNIT WEIGHT:** 15.5355g (Density (1.0357 g/mL) x 15mL package. 6 servings/package)

**MITRAGYNINE** 51.52 mg / serv

**TOTAL MAJOR ALKALOIDS** 55.29 mg / serv

**TOTAL MINOR ALKALOIDS** 285.02 ug / serv

ALKU ✓

**Kratom Alkaloids**  
High Level

ALKL ✓

**Kratom Alkaloids**  
Low Level

SS ✓

**Salmonella & STEC**  
qPCR

HVMET ✓

**Heavy Metals**  
4

**RESULTS REVIEWED BY:** Leslie Varela

Laboratory Director  
Cambium Analytica  
Tuesday, Sep 3, 2024

**RESULTS CERTIFIED BY:** Douglas Smith

VP - Scientific Operations  
Cambium Analytica  
Tuesday, Sep 3, 2024

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ALKU

**KRATOM ALKALOIDS - HIGH LEVEL**LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD  
ALKU-DTS-240827-064-03 - FRI, AUG 30, 2024

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	1.990 %	19.897 mg/g	51.52 mg	309.11 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.080 %	0.803 mg/g	2.08 mg	12.48 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.043 %	0.434 mg/g	1.12 mg	6.74 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.022 %	0.220 mg/g	0.57 mg	3.42 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	2.135 %	21.354 mg/g	55.29 mg	331.75 mg	N/A			N/A

ALKL

**KRATOM ALKALOIDS - LOW LEVEL**LAB-TM-047 - DETERMINATION OF KRATOM ALKALOID CONTENT BY LC-TQ  
ALKL-DTS-240827-064-01 - TUE, AUG 27, 2024

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	110.0797 ug/g	N/A	285.02 ug	1710.14 ug	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	110.0797 ug/g	N/A	285.02 ug	1710.14 ug	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-240827-064-01 - TUE, AUG 27, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Salmonella Spp	ND	N/A			N/A
Shiga Toxin Producing E. coli	ND	N/A			N/A

HVMET

**HEAVY METALS - 4**LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS  
HVMET-DTS-240827-064-01 - TUE, AUG 27, 2024

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	ND	N/A	N/A	N/A	N/A	0.282 ug/kg	0.282 ug/kg	N/A
Cadmium	ND	N/A	N/A	N/A	N/A	0.627 ug/kg	2.091 ug/kg	N/A
Lead	0.002 ug/g	N/A	0.01 ug	0.04 ug	N/A	0.155 ug/kg	0.515 ug/kg	N/A
Mercury	0.001 ug/g	N/A	0.00 ug	0.01 ug	N/A	0.082 ug/kg	0.272 ug/kg	N/A

