

# CERTIFICATE OF ANALYSIS



**SAMPLE NAME:** SOMA 300

**SAMPLE CODE:** DTS-240827-062

**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:** A08243-2

**BATCH SIZE:** N/A

**SAMPLE SIZE:** 1U

**AVERAGE UNIT WEIGHT:** 15.5385g (Density  
(1.0359 g/mL) x 15mL package. 6  
servings/package)

**MITRAGYNINE** 53.41 mg / serv

**TOTAL MAJOR ALKALOIDS** 57.34 mg / serv

**TOTAL MINOR ALKALOIDS** 220.40 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-240827-062-01 - TUE, AUG 27, 2024

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	2.062 %	20.623 mg/g	53.41 mg	320.45 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.084 %	0.836 mg/g	2.17 mg	12.99 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.045 %	0.452 mg/g	1.17 mg	7.02 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.023 %	0.232 mg/g	0.60 mg	3.60 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	2.214 %	22.143 mg/g	57.34 mg	344.07 mg	N/A			N/A

ALKL

**KRATOM ALKALOIDS - LOW LEVEL**LAB-TM-047 - DETERMINATION OF KRATOM ALKALOID CONTENT BY LC-TQ  
ALKL-DTS-240827-062-01 - TUE, AUG 27, 2024

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	85.106 ug/g	N/A	220.40 ug	1322.42 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	85.106 ug/g	N/A	220.40 ug	1322.42 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-240827-062-01 - 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-240827-062-01 - 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	ND	N/A	N/A	N/A	N/A	0.155 ug/kg	0.515 ug/kg	N/A
Mercury	0.002 ug/g	N/A	0.01 ug	0.03 ug	N/A	0.082 ug/kg	0.272 ug/kg	N/A

