

# CERTIFICATE OF ANALYSIS

**SAMPLE NAME:** SOMA 300

**SAMPLE CODE:** DTS-240705-013

**CLIENT:** SOMA KRATOM

**BATCH RESULT:** PASS



**MATRIX NAME:** Edible Liquid - Emulsion

**SAMPLE TYPE:** Compliance

**RECEIVED DATE:** Mon, Jul 8, 2024

**PUBLISHED DATE:** Wed, Jul 10, 2024

**BATCH CODE:** A07243-2

**BATCH SIZE:** 408L

**SAMPLE SIZE:** 1U

**AVERAGE UNIT WEIGHT:** 15.5775g (Density (1.0385 g/mL) x 15mL package. 6 servings/package.)

**TOTAL MAJOR ALKALOIDS** 57.34 mg/ serv

**TOTAL MINOR ALKALOIDS** 0.16 mg/ serv

**MITRAGYNE** 53.46 mg/ serv

ALKU ✓ Kratom Alkaloids High Level	ALKL ✓ Kratom Alkaloids Low Level	SS ✓ Salmonella & STEC qPCR	HVMET ✓ Heavy Metals 4
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**RESULTS REVIEWED BY:** Leslie Varela  
Laboratory Director  
Cambium Analytica  
Wednesday, Jul 10, 2024

**RESULTS CERTIFIED BY:** Douglas Smith  
VP - Scientific Operations  
Cambium Analytica  
Wednesday, Jul 10, 2024

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ALKU

**KRATOM ALKALOIDS - HIGH LEVEL**LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD  
ALKU-DTS-240705-013-02 - WED, JUL 10, 2024

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	2.059 %	20.591 mg/g	53.46 mg	320.76 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.081 %	0.809 mg/g	2.10 mg	12.60 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.048 %	0.478 mg/g	1.24 mg	7.45 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.021 %	0.206 mg/g	0.53 mg	3.21 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	2.208 %	22.084 mg/g	57.34 mg	344.01 mg	N/A			N/A

ALKL

**KRATOM ALKALOIDS - LOW LEVEL**LAB-TM-047 - DETERMINATION OF KRATOM ALKALOID CONTENT BY LC-TQ  
ALKL-DTS-240705-013-01 - FRI, JUL 5, 2024

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.0063 %	0.0635 mg/g	0.16 mg	0.99 mg	N/A	0.01 ug/kg	0.1 ug/kg	N/A
Mitraphylline	ND	ND	ND	ND	N/A	0.01 ug/kg	0.1 ug/kg	N/A
Total Minor Alkaloids	0.0063 %	0.0635 mg/g	0.16 mg	0.99 mg	N/A	0.01 ug/kg	0.1 ug/kg	N/A

SS

**SALMONELLA & STEC- QPCR**LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR  
SS-DTS-240705-013-01 - FRI, JUL 5, 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-240705-013-01 - FRI, JUL 5, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	0.002 ug/g	N/A	0.282 ug/kg	0.282 ug/kg	N/A
Cadmium	<LOQ	N/A	0.627 ug/kg	2.091 ug/kg	N/A
Lead	0.008 ug/g	N/A	0.155 ug/kg	0.515 ug/kg	N/A
Mercury	0.005 ug/g	N/A	0.082 ug/kg	0.272 ug/kg	N/A

