

# CERTIFICATE OF ANALYSIS



**SAMPLE NAME:** SOMA 300

**SAMPLE CODE:** DTS-240731-037

**CLIENT:** SOMA KRATOM

**BATCH RESULT:** PASS

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**MATRIX NAME:** Edible Liquid - Emulsion

**SAMPLE TYPE:** Quality Assurance

**RECEIVED DATE:** Thu, Aug 1, 2024

**PUBLISHED DATE:** Tue, Aug 6, 2024

**BATCH/LOT CODE:** A07243-5

**BATCH SIZE:** 408L

**SAMPLE SIZE:** 1U

**AVERAGE UNIT WEIGHT:** 15.4725g (Density  
(1.0315 g/mL) x 15mL package. 6  
servings/package)

TOTAL MAJOR ALKALOIDS 61.79 mg/ serv

TOTAL MINOR ALKALOIDS 0.15 mg/ serv

MITRAGYNINE 57.74 mg/ 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, Aug 6, 2024

**RESULTS CERTIFIED BY:** Douglas Smith

VP - Scientific Operations  
Cambium Analytica  
Tuesday, Aug 6, 2024

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ALKU

**KRATOM ALKALOIDS - HIGH LEVEL**LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD  
ALKU-DTS-240731-037-01 - WED, JUL 31, 2024

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	2.239 %	22.392 mg/g	57.74 mg	346.46 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.088 %	0.884 mg/g	2.28 mg	13.68 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.049 %	0.488 mg/g	1.26 mg	7.55 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.020 %	0.197 mg/g	0.51 mg	3.05 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	2.396 %	23.961 mg/g	61.79 mg	370.74 mg	N/A			N/A

ALKL

**KRATOM ALKALOIDS - LOW LEVEL**LAB-TM-047 - DETERMINATION OF KRATOM ALKALOID CONTENT BY LC-TQ  
ALKL-DTS-240731-037-01 - WED, JUL 31, 2024

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.0058 %	0.0575 mg/g	0.15 mg	0.89 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	0.0058 %	0.0575 mg/g	0.15 mg	0.89 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-240731-037-01 - WED, JUL 31, 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-240731-037-01 - WED, JUL 31, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	ND	N/A	0.282 ug/kg	0.282 ug/kg	N/A
Cadmium	ND	N/A	0.627 ug/kg	2.091 ug/kg	N/A
Lead	0.017 ug/g	N/A	0.155 ug/kg	0.515 ug/kg	N/A
Mercury	0.002 ug/g	N/A	0.082 ug/kg	0.272 ug/kg	N/A

