

# CERTIFICATE OF ANALYSIS



**SAMPLE NAME:** SOMA 300

**SAMPLE CODE:** DTS-240731-038

**CLIENT:** SOMA KRATOM

**BATCH RESULT:** PASS

1230 Woodmere Ave  
Traverse City, MI 49686  
231.252.3669  
cambiumanalytica.com

License #:



**MATRIX NAME:** Edible Liquid - Emulsion

**SAMPLE TYPE:** Quality Assurance

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

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

**BATCH/LOT CODE:** A08243-1

**BATCH SIZE:** 408L

**SAMPLE SIZE:** 1U

**AVERAGE UNIT WEIGHT:** 15.5295g (Density (1.0353 g/mL) x 15mL package. 6 servings/package)

**TOTAL MAJOR ALKALOIDS** 62.73 mg/ serv

**TOTAL MINOR ALKALOIDS** 0.13 mg/ serv

**MITRAGYNINE** 58.56 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-240731-038-01 - WED, JUL 31, 2024

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	2.263 %	22.626 mg/g	58.56 mg	351.37 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.090 %	0.904 mg/g	2.34 mg	14.04 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.050 %	0.501 mg/g	1.30 mg	7.78 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.020 %	0.204 mg/g	0.53 mg	3.17 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	2.423 %	24.235 mg/g	62.73 mg	376.36 mg	N/A			N/A

ALKL

**KRATOM ALKALOIDS - LOW LEVEL**LAB-TM-047 - DETERMINATION OF KRATOM ALKALOID CONTENT BY LC-TQ  
ALKL-DTS-240731-038-01 - WED, JUL 31, 2024

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.0050 %	0.0504 mg/g	0.13 mg	0.78 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	0.0050 %	0.0504 mg/g	0.13 mg	0.78 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-240731-038-01 - 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-240731-038-01 - 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	0.018 ug/g	N/A	0.155 ug/kg	0.515 ug/kg	N/A
Mercury	ND	N/A	0.082 ug/kg	0.272 ug/kg	N/A

