

# CERTIFICATE OF ANALYSIS

**SAMPLE NAME:** SOMA 300

**SAMPLE CODE:** DTS-240515-021

**CLIENT:** SOMA KRATOM

**BATCH RESULT:** PASS



**MATRIX NAME:** Edible Liquid - Emulsion  
**SAMPLE TYPE:** Quality Assurance  
**RECEIVED DATE:** Thu, May 16, 2024  
**PUBLISHED DATE:** Tue, May 21, 2024  
**BATCH CODE:** A05243-1  
**BATCH SIZE:** N/A  
**SAMPLE SIZE:** 1U  
**AVERAGE UNIT WEIGHT:** 19.8341g (Density (g/mL)  
x 19mL package. 6 servings/package.)

TOTAL MAJOR ALKALOIDS 56.24 mg/ serv

TOTAL MINOR ALKALOIDS 0.32 mg/ serv

MITRAGYNE 51.49 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  
Tuesday, May 21, 2024

**RESULTS CERTIFIED BY:** Douglas Smith  
VP - Scientific Operations  
Cambium Analytica  
Tuesday, May 21, 2024

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**LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD**  
 ALKU-DTS-240515-021-04 - MON, MAY 20, 2024

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Total Major Alkaloids	1.701 %	17.012 mg/g	56.24 mg	337.42 mg	N/A			N/A
Mitragynine	1.558 %	15.575 mg/g	51.49 mg	308.92 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.072 %	0.721 mg/g	2.38 mg	14.30 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.042 %	0.420 mg/g	1.39 mg	8.33 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.030 %	0.296 mg/g	0.98 mg	5.87 mg	N/A	0.3 ug/g	0.5 ug/g	N/A

**LAB-TM-047 - DETERMINATION OF KRATOM ALKALOID CONTENT BY LC-TQ**  
 ALKL-DTS-240515-021-01 - WED, MAY 15, 2024



ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.0096 %	0.0960 mg/g	0.32 mg	1.90 mg	N/A	0.01 ug/kg	0.1 ug/kg	N/A
Total Minor Alkaloids	0.0096 %	0.0960 mg/g	0.32 mg	1.90 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

**LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR**  
 SS-DTS-240515-021-01 - WED, MAY 15, 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

**LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS**  
 HVMET-DTS-240515-021-01 - WED, MAY 15, 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	0.002 ug/g	N/A	0.155 ug/kg	0.515 ug/kg	N/A
Mercury	0.003 ug/g	N/A	0.082 ug/kg	0.272 ug/kg	N/A

