

# CERTIFICATE OF ANALYSIS

**SAMPLE NAME:** SOMA 200

**SAMPLE CODE:** DTS-240515-023

**CLIENT:** SOMA KRATOM

**BATCH RESULT:** PASS



**MATRIX NAME:** Edible Liquid - Emulsion  
**SAMPLE TYPE:** Quality Assurance  
**RECEIVED DATE:** Thu, May 16, 2024  
**PUBLISHED DATE:** Mon, May 20, 2024  
**BATCH CODE:** A05242-1  
**BATCH SIZE:** N/A  
**SAMPLE SIZE:** 1U  
**AVERAGE UNIT WEIGHT:** 15.756g (Density (g/mL) x 15mL package.)

TOTAL MAJOR ALKALOIDS 208.55 mg/ serv

TOTAL MINOR ALKALOIDS 1.03 mg/ serv

MITRAGYNE 194.00 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  
Monday, May 20, 2024

**RESULTS CERTIFIED BY:** Douglas Smith  
VP - Scientific Operations  
Cambium Analytica  
Monday, May 20, 2024

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**LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD**  
 ALKU-DTS-240515-023-01 - WED, MAY 15, 2024

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Total Major Alkaloids	1.324 %	13.236 mg/g	208.55 mg	208.55 mg	N/A			N/A
Mitragynine	1.231 %	12.313 mg/g	194.00 mg	194.00 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.048 %	0.476 mg/g	7.50 mg	7.50 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.027 %	0.274 mg/g	4.32 mg	4.32 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.017 %	0.173 mg/g	2.73 mg	2.73 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-240515-023-01 - WED, MAY 15, 2024



ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.0066 %	0.0655 mg/g	1.03 mg	1.03 mg	N/A	0.01 ug/kg	0.1 ug/kg	N/A
Total Minor Alkaloids	0.0066 %	0.0655 mg/g	1.03 mg	1.03 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-240515-023-01 - 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-240515-023-01 - 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	0.006 ug/g	N/A	0.627 ug/kg	2.091 ug/kg	N/A
Lead	0.004 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

