

# CERTIFICATE OF ANALYSIS



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**SAMPLE NAME:** SOMA 200

**SAMPLE CODE:** DTS-240705-008

**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:** A06242-1

**BATCH SIZE:** 90L

**SAMPLE SIZE:** 1U

**AVERAGE UNIT WEIGHT:** 15.5925g (Density (1.0395 g/mL) x 15mL package. 4 servings/package)

**TOTAL MAJOR ALKALOIDS** 51.60 mg/ serv

**TOTAL MINOR ALKALOIDS** 0.18 mg/ serv

**MITRAGYNE** 48.23 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

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-240705-008-01 - FRI, JUL 5, 2024

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	1.237 %	12.373 mg/g	48.23 mg	192.93 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.048 %	0.476 mg/g	1.86 mg	7.42 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.028 %	0.278 mg/g	1.08 mg	4.33 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.011 %	0.111 mg/g	0.43 mg	1.73 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	1.324 %	13.238 mg/g	51.60 mg	206.41 mg	N/A			N/A

ALKL

**KRATOM ALKALOIDS - LOW LEVEL**LAB-TM-047 - DETERMINATION OF KRATOM ALKALOID CONTENT BY LC-TQ  
ALKL-DTS-240705-008-01 - FRI, JUL 5, 2024

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.0046 %	0.0461 mg/g	0.18 mg	0.72 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	0.0046 %	0.0461 mg/g	0.18 mg	0.72 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-240705-008-01 - 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-240705-008-01 - FRI, JUL 5, 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	0.016 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

