

Certificate of Analysis



Sample Name: Soma 200
Client: Soma Kratom
Sample Code: DTS-251215-048
Matrix Name: Emulsion - Liquid
Type / Result: Quality Assurance - Pass



Received Date: Thu, Dec 18, 2025
Published Date: Tue, Dec 30, 2025
Batch/Lot Code: A-11252-1
Batch Size: N/A
Sample Size: 1U
Average Unit Weight: 16.1215g (Density (g/mL) x 15.5mL package. 6 servings/package)

RESULT SUMMARY

| | |
|-----------------------|----------------|
| Mitragynine | 34.02 mg /serv |
| Total Major Alkaloids | 43.43 mg /serv |

ALKU **Kratom Alkaloids**
High Level

ALKL **Kratom Alkaloids**
Low Level

SS **Salmonella & STEC**
qPCR

DEN **Density of Liquids**

HVMET **Heavy Metals**
Big 4

Approvals

RESULTS REVIEWED BY:

Leslie Varela
Laboratory Director

Cambium Analytica
Tuesday, Dec 30, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations

Cambium Analytica
Tuesday, Dec 30, 2025

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Lab Information

Address: 1230 Woodmere Ave, Traverse City, MI 49686 **Phone:** 231.252.3669 **Accreditation:** ISO/IEC 17025:2017 – #108157



ALKU

Kratom Alkaloids - High Level

LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD
 ALKU-DTS-251215-048-03 - TUE, DEC 30, 2025

| Analyte | Value | Value (mg/g) | Per Serving | Per Package | Action Limit | LOD | LOQ | Status |
|------------------------|----------|--------------|-------------|-------------|--------------|----------|----------|--------|
| Mitragynine | 1.2663 % | 12.6628 mg/g | 34.02 mg | 204.14 mg | N/A | 0.3 ug/g | 0.5 ug/g | N/A |
| Paynantheine | 0.1783 % | 1.7828 mg/g | 4.79 mg | 28.74 mg | N/A | 0.3 ug/g | 0.5 ug/g | N/A |
| Speciogynine | 0.0966 % | 0.9658 mg/g | 2.60 mg | 15.57 mg | N/A | 0.3 ug/g | 0.5 ug/g | N/A |
| Speciociliatine | 0.0753 % | 0.7526 mg/g | 2.02 mg | 12.13 mg | N/A | 0.3 ug/g | 0.5 ug/g | N/A |
| Total Major Alkaloids* | 1.6164 % | 16.1640 mg/g | 43.43 mg | 260.59 mg | N/A | N/A | N/A | N/A |

*Total Major Alkaloids is calculated as the sum of Mitragynine, Paynantheine, Speciociliatine and Speciogynine.

ALKL

Kratom Alkaloids - Low Level

LAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TQ
 ALKL-DTS-251215-048-01 - MON, DEC 22, 2025



| Analyte | Value | Value (mg/g) | Per Serving | Per Package | Action Limit | LOD | LOQ | Status |
|------------------------|-----------|--------------|-------------|-------------|--------------|------------|------------|--------|
| 7-Hydroxymitragynine | 0.00306 % | 0.03057 mg/g | 0.08 mg | 0.49 mg | N/A | 0.002 ug/g | 0.011 ug/g | N/A |
| Mitraphylline | 0.00019 % | 0.00189 mg/g | 0.01 mg | 0.03 mg | N/A | 0.004 ug/g | 0.019 ug/g | N/A |
| Total Minor Alkaloids* | 0.00325 % | 0.03246 mg/g | 0.09 mg | 0.52 mg | N/A | N/A | N/A | N/A |

*Total Minor Alkaloids is calculated as the sum of 7-Hydroxymitragynine and Mitraphylline.

SS

Salmonella & STEC - qPCR

LAB-TM-006 - Microbial Analysis by qPCR
 SS-DTS-251215-048-01 - MON, DEC 22, 2025



| Analyte | Value | Action Limit | LOD | LOQ | Status |
|-------------------------------|-------|--------------|-----|-----|--------|
| Salmonella spp. | ND | N/A | N/A | N/A | N/A |
| Shiga Toxin Producing E. coli | ND | N/A | N/A | N/A | N/A |

DEN

Density of Liquids

LAB-TM-017 - Brix & Density Analysis
 DEN-DTS-251215-048-01 - FRI, DEC 19, 2025



| Analyte | Value | Action Limit | LOD | LOQ | Status |
|-------------------|-------------|--------------|-----|-----|--------|
| Density | 1.0401 g/mL | N/A | N/A | N/A | N/A |
| Specific Gravity* | 1.0420 | N/A | N/A | N/A | N/A |

*Specific gravity is calculated using the density of water at 20 °C (0.9982 g/mL) using the equation:
 [Specific Gravity = (Density of sample in g/mL) ÷ 0.9982 g/mL]



HVMET

Heavy Metals - Big 4

LAB-TM-044 - Determination of Heavy Metals by ICP-MS

HVMET-DTS-251215-048-01 - MON, DEC 22, 2025



| Analyte | Value | Value (mg/g) | Per Serving | Per Package | Action Limit | LOD | LOQ | Status |
|---------|------------|--------------|-------------|-------------|--------------|-------------|-------------|--------|
| Arsenic | 0.009 ug/g | 0.000 mg/g | 0.03 ug | 0.15 ug | N/A | 0.509 ug/kg | 2.062 ug/kg | N/A |
| Cadmium | ND | N/A | N/A | N/A | N/A | 0.256 ug/kg | 0.509 ug/kg | N/A |
| Lead | ND | N/A | N/A | N/A | N/A | 0.255 ug/kg | 0.515 ug/kg | N/A |
| Mercury | 0.001 ug/g | 0.000 mg/g | 0.00 ug | 0.01 ug | N/A | 0.025 ug/kg | 0.057 ug/kg | N/A |

