# Certificate of Analysis

**Sample Name:** Whole Herbs Green Vein Indo 100g Kratom Powder
**Client:** Kono Labs
**Sample Code:** DTS-250701-043
**Matrix Name:** Botanical Powder - Plant
**Type / Result:** Quality Assurance - Pass

cambium analytica




| | |
|---|---|
| **Received Date:** | Wed, Jul 2, 2025 |
| **Published Date:** | Tue, Jul 8, 2025 |
| **Batch/Lot Code:** | 25002 |
| **Batch Size:** | N/A |
| **Sample Size:** | 100g |
| **Average Unit Weight:** | 100g |

**RESULT SUMMARY**

| | |
|---|---|
| Mitragynine | 1361 mg /serv |
| Total Major Alkaloids | 2165 mg /serv |
| Total Minor Alkaloids | 2.6 mg /serv |

| | | | | |
|---|---|---|---|---|
| ALKU ✓<br>Kratom Alkaloids<br>High Level | ALKL ✓<br>Kratom Alkaloids<br>Low Level | SAL ✓<br>Salmonella<br>qPCR | ECOLI ✓<br>Total Coliforms & E. coli<br>Plate | TAMC ✓<br>Total Aerobic Bacteria<br>Plate |
| HVMET ✓<br>Heavy Metals<br>Big 4 | TYMFD ✓<br>Total Yeast & Mold<br>Plate | | | |

## Approvals

**RESULTS REVIEWED BY:**

Leslie Varela
Laboratory Director
Cambium Analytica
Tuesday, Jul 8, 2025

**RESULTS CERTIFIED BY:**

Douglas Smith
VP - Scientific Operations
Cambium Analytica
Tuesday, Jul 8, 2025

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ALKU

## Kratom Alkaloids - High Level

LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD
ALKU-DTS-250701-043-01 - MON, JUL 7, 2025

| Analyte | Value | Value (mg/g) | Per Serving | Per Package | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|---|---|---|
| Mitragynine | 1.3610 % | 13.6100 mg/g | 1361 mg | 1361 mg | N/A | 0.3 ug/g | 0.5 ug/g | N/A |
| Speciociliatine | 0.3417 % | 3.4170 mg/g | 341.70 mg | 341.70 mg | N/A | 0.3 ug/g | 0.5 ug/g | N/A |
| Paynantheine | 0.2907 % | 2.9070 mg/g | 290.7 mg | 290.7 mg | N/A | 0.3 ug/g | 0.5 ug/g | N/A |
| Speciogynine | 0.1716 % | 1.7160 mg/g | 171.6 mg | 171.6 mg | N/A | 0.3 ug/g | 0.5 ug/g | N/A |
| Total Major Alkaloids | 2.1650 % | 21.6500 mg/g | 2165 mg | 2165 mg | N/A | N/A | N/A | N/A |

ALKL

## Kratom Alkaloids - Low Level

LAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TQ
ALKL-DTS-250701-043-01 - MON, JUL 7, 2025

| Analyte | Value | Value (mg/g) | Per Serving | Per Package | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|---|---|---|
| 7-Hydroxymitragynine | 0.00240 % | 0.02400 mg/g | 2.4 mg | 2.4 mg | N/A | 0.002 ug/g | 0.011 ug/g | N/A |
| Mitraphylline | 0.00001 % | 0.00006 mg/g | 0.01 mg | 0.01 mg | N/A | 0.004 ug/g | 0.019 ug/g | N/A |
| Total Minor Alkaloids | 0.00260 % | 0.02600 mg/g | 2.6 mg | 2.6 mg | N/A | 0.006 ug/g | 0.03 ug/g | N/A |

SAL

## Salmonella - qPCR - 25g

LAB-TM-063 - Detection and Isolation of Salmonella spp. in Foods and Dietary Supplements
SAL-DTS-250701-043-01 - TUE, JUL 8, 2025

| Analyte | Value | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|
| Salmonella Spp | ND | N/A | N/A | N/A | N/A |

ECOLI

## Total Coliforms & E. coli - Plate - 25g - Full Range

LAB-TM-059 - Enumeration of Escherichia coli and Total Coliform in Foods and Dietary Supplements
ECOLI-DTS-250701-043-01 - MON, JUL 7, 2025

| Analyte | Value | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|
| E. coli | ND | N/A | 10 CFU/g | 10 CFU/g | N/A |
| Total Coliforms | ND | N/A | 10 CFU/g | 10 CFU/g | N/A |

TAMC

## Total Aerobic Bacteria - Plate - 25g - Full Range

LAB-TM-060 - Enumeration of Total Aerobic Count in Foods and Dietary Supplements
TAMC-DTS-250701-043-01 - MON, JUL 7, 2025

| Analyte | Value | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|
| Total Aerobic Count | ND | N/A | 1000 CFU/g | 1000 CFU/g | N/A |

HVMET

## Heavy Metals - Big 4

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

HVMET-DTS-250701-043-01 - MON, JUL 7, 2025

| Analyte | Value | Value (mg/g) | Per Serving | Per Package | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 0.188 ug/g | 0.000 mg/g | 18.84 ug | 18.84 ug | N/A | 0.509 ug/kg | 2.062 ug/kg | N/A |
| Cadmium | 0.020 ug/g | 0.000 mg/g | 1.99 ug | 1.99 ug | N/A | 0.256 ug/kg | 0.509 ug/kg | N/A |
| Lead | 0.630 ug/g | 0.001 mg/g | 62.96 ug | 62.96 ug | N/A | 0.255 ug/kg | 0.515 ug/kg | N/A |
| Mercury | 0.017 ug/g | 0.000 mg/g | 1.74 ug | 1.74 ug | N/A | 0.025 ug/kg | 0.057 ug/kg | N/A |

TYMFD

## Total Yeast & Mold - Plate - 25g - Full Range

LAB-TM-061 - Enumeration of Yeast and Mold in Foods and Dietary Supplements

TYMFD-DTS-250701-043-01 - MON, JUL 7, 2025

| Analyte | Value | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|
| Total Mold | ND | N/A | 10 CFU/g | 10 CFU/g | N/A |
| Total Yeast | ND | N/A | 10 CFU/g | 10 CFU/g | N/A |
| Total Yeast and Mold | ND | N/A | 10 CFU/g | 10 CFU/g | N/A |