



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794

Report Number: 23-009243/D001.R000
Report Date: 08/11/2023
Purchase Order:
Received: 08/04/23 10:50 AM



Customer:

Sample ID: 2308-011
Sample Matrix: Kratom powder
Laboratory ID: 23-009243-0001-00
Evidence of Cooling: No
Temp: 23.4 °C

Sample Results

Metals

Kratom Quality & Safety

| Analyte | Result | Units | LOQ | Analyzed | Method | Notes |
|---------|--------|-------|---------|----------|-----------------------------------|-------|
| Arsenic | 0.125 | mg/kg | 0.0186 | 08/08/23 | AOAC 2013.06 (mod.) ^{p1} | |
| Cadmium | 0.0193 | mg/kg | 0.0186 | 08/08/23 | AOAC 2013.06 (mod.) ^{p1} | |
| Lead | 0.141 | mg/kg | 0.0186 | 08/08/23 | AOAC 2013.06 (mod.) ^{p1} | |
| Mercury | 0.0206 | mg/kg | 0.00928 | 08/08/23 | AOAC 2013.06 (mod.) ^{p1} | |
| Nickel | 1.03 | mg/kg | 0.0186 | 08/08/23 | AOAC 2013.06 (mod.) ^{p1} | |

1) trace metals in food by Inductively Coupled Mass Spectrometry

Microbiology

Kratom Quality & Safety

| Analyte | Result | Units | LOQ | Analyzed | Method | Notes |
|-------------------------|----------|-------|-----|----------|--------------------------------------|-------|
| E.coli | < LOQ | cfu/g | 100 | 08/08/23 | AOAC 991.14 (Petrifilm) ^p | |
| Total Coliforms | < LOQ | cfu/g | 100 | 08/08/23 | AOAC 991.14 (Petrifilm) ^p | |
| Enterobacteriaceae | < LOQ | cfu/g | 100 | 08/07/23 | AOAC 2003.01 ^p | |
| Mold (RAPID Petrifilm) | < LOQ | cfu/g | 100 | 08/08/23 | AOAC 2014.05 (RAPID) ^p | |
| Yeast (RAPID Petrifilm) | < LOQ | cfu/g | 100 | 08/08/23 | AOAC 2014.05 (RAPID) ^p | |
| Salmonella spp. by PCR | Negative | /25g | | 08/07/23 | AOAC 2020.02 ^{b2} | |

2) GENE-UP® Assay

Mitragynine

Kratom Quality & Safety

| Analyte | Result | Units | LOQ | Analyzed | Method | Notes |
|----------------------|--------|-------|--------|----------|--|-------|
| 7-Hydroxymitragynine | 0.0242 | % | 0.0100 | 08/08/23 | In house method by HPLC-DAD ^p | |
| Mitragynine | 1.71 | % | 0.0500 | 08/08/23 | In house method by HPLC-DAD ^p | |