



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

Report Number: 20-002721/D02.R00
 Report Date: 03/19/2020
 Purchase Order:
 Received: 03/09/20 10:40 AM



Customer: Grassroots Harvest
 321 W. Ben White Blvd Ste 103
 Austin Texas 78704
 United States

Sample ID: Boost KD
Sample Matrix: Kratom powder
Laboratory ID: 20-002721-0004
Evidence of Cooling: No
Temp: 15 °C

Sample Results

Metals

Heavy Metals Profile K

| Analyte | Result | Units | LOQ | Analyzed | Method | Notes |
|---------|--------|-------|---------|----------|----------------------------------|-------|
| Arsenic | 0.246 | mg/kg | 0.00999 | 03/17/20 | AOAC 2013.06 (mod.) ₁ | |
| Cadmium | 0.0434 | mg/kg | 0.00999 | 03/17/20 | AOAC 2013.06 (mod.) ₁ | |
| Lead | 0.397 | mg/kg | 0.00999 | 03/17/20 | AOAC 2013.06 (mod.) ₁ | |
| Mercury | 0.0201 | mg/kg | 0.00500 | 03/17/20 | AOAC 2013.06 (mod.) ₁ | |
| Nickel | 2.67 | mg/kg | 0.0200 | 03/17/20 | AOAC 2013.06 (mod.) ₁ | |

1) trace metals in food by Inductively Coupled Mass Spectrometry

Microbiology

Micro Profile A (E.coli O157/List./Salm.)

| Analyte | Result | Units | LOQ | Analyzed | Method | Notes |
|------------------------|----------|-------|-----|----------|---------------------------|-------|
| Salmonella spp. | Negative | /10g | | 03/12/20 | AOAC 2016.01 ₂ | |
| Listeria monocytogenes | Negative | /10g | | 03/12/20 | AOAC 2016.08 ₃ | |
| E.coli O157:H7 | Negative | /10g | | 03/12/20 | AOAC 2017.01 ₄ | |

- 2) 3M Molecular Detection of Salmonella
- 3) 3M Molecular Detection of Listeria monocytogenes
- 4) 3M Molecular Detection of E.coli O157

Mitragynine

Mitragynine + 7-Hydroxymitragynine (Basic Plus)

| Analyte | Result | Units | LOQ | Analyzed | Method | Notes |
|-----------------------------------|--------|-------|--------|----------|---|-------|
| 7-Hydroxymitragynine ¹ | 0.0918 | % | 0.0100 | 03/16/20 | Japanese Association of Forensic Toxicology (2009) 27:67-74 | |
| Mitragynine ¹ | 1.10 | % | 0.250 | 03/16/20 | Japanese Association of Forensic Toxicology (2009) 27:67-74 | |

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.