11455 Pearl St Northglenn, CO 80233 (303) 296-026

MURRAY-BROWN LABORATORIES, INC.
Beyond the Raw Data

# Certificate of Analysis for

Phantom Kratom
3675 Highland Ave Unit 8
Las Vegas, NV 89103
Phone: (702) 358-2727

Received: 9/8/2025 @ 25 °C
Report ID: 2509348

## Sample ID: 2509348-004 09042025-Happy Kratom

### ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 09/08/25

| | | |
|---|---|---|
| Aerobic Plate Count | 50,000 | CFU/g |

### CCR.1a: CC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 09/08/25

| | | |
|---|---|---|
| Total Coliform Bacteria | 300 | CFU/g |

### ECR.1a: EC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 09/08/25

| | | |
|---|---|---|
| Escherichia coli | < 100 | CFU/g |

### ICPMS.1Metals via AOAC 2015.01 Modified (ICP/MS) Analyzed 09/11/25

| | | | | | |
|---|---|---|---|---|---|
| Arsenic (As) | 0.563 | mg/kg (ppm) | Cadmium (Cd) | 0.0173 | mg/kg (ppm) |
| Lead (Pb) | 0.615 | mg/kg (ppm) | Mercury (Hg) | 0.0213 | mg/kg (ppm) |

### MIT.2: Kratom Alkaloids via HPLC-DAD Analyzed 09/09/25

| | | | | | |
|---|---|---|---|---|---|
| 7-Hydroxymitragynine | < 0.0100 | % | Isorhynchophylline | < 0.100 | % |
| Mitragynine | 1.52 | % | Mitraphylline | < 0.100 | % |
| Paynantheine | 0.268 | % | Speciociliatine | 0.310 | % |
| Speciogynine | 0.185 | % | Total Alkaloids | 2.29 | % |

### Salm.1: Salmonella via AOAC 081201, 2013.02 (BAX® PCR) Analyzed 09/09/25

| | | |
|---|---|---|
| Salmonella spp. | Negative | /1 g |

### STA.1a: S. aureus by mass via AOAC 2003.07, 2003.08, 2003.11 (Petrifilm™) Analyzed 09/08/25

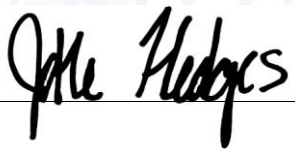
| | | |
|---|---|---|
| Staphylococcus aureus | < 100 | CFU/g |

### STEC.1: E. coli (O157:H7, O26, O45, O103, O111, O121, O145) via AOAC 091301 (BAX® PCR, STEC Screen) Analyzed 09/09/25

| | | |
|---|---|---|
| Shiga toxin-producing E. coli (stx-eae) | Negative | /1 g |

### YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 09/08/25

| | | |
|---|---|---|
| Yeast and Mold | 91,000 | CFU/g |



Reported By Jake S Hedges, Chemistry Laboratory Supervisor, 9/15/2025

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