

**MURRAY-BROWN**  
**LABORATORIES, INC.**  
Beyond the Raw Data**Certificate of Analysis for**

Jaya Kratom



Received: 8/30/2024 @ 22.2 °C

Report ID: 2408D01

**Sample ID:** 2408D01-004 1W0948**ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 08/30/24**

|                     |       |       |                    |
|---------------------|-------|-------|--------------------|
| Aerobic Plate Count | 3,800 | CFU/g | BELOW 10,000,000 ✓ |
|---------------------|-------|-------|--------------------|

**CCR.1a: CC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 08/30/24**

|                         |       |       |                |
|-------------------------|-------|-------|----------------|
| Total Coliform Bacteria | < 100 | CFU/g | BELOW 10,000 ✓ |
|-------------------------|-------|-------|----------------|

**ECR.1a: EC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 08/30/24**

|                  |       |       |                |
|------------------|-------|-------|----------------|
| Escherichia coli | < 100 | CFU/g | NOT DETECTED ✓ |
|------------------|-------|-------|----------------|

**ICPMS.1: Metals via FDA - EAM:2008 (ICP/MS) Analyzed 09/05/24** BELOW LIMITS ✓

|              |                 |             |              |                  |             |
|--------------|-----------------|-------------|--------------|------------------|-------------|
| Arsenic (As) | 0.148 < 2.0PPM  | mg/kg (ppm) | Cadmium (Cd) | 0.0131 < 0.82PPM | mg/kg (ppm) |
| Lead (Pb)    | 0.0414 < 2.0PPM | mg/kg (ppm) | Mercury (Hg) | 0.0135 < 0.40PPM | mg/kg (ppm) |

**MIT.2: Kratom Alkaloids via HPLC-DAD Analyzed 09/03/24**

MEETS JAYA POTENCY STANDARDS ✓

|                      |          |   |                    |         |   |
|----------------------|----------|---|--------------------|---------|---|
| 7-Hydroxymitragynine | < 0.0100 | % | Isorhynchophylline | < 0.100 | % |
| Mitragynine          | 1.70     | % | Mitraphylline      | < 0.100 | % |
| Paynantheine         | 0.316    | % | Speciociliatine    | 0.310   | % |
| Speciogynine         | 0.229    | % | Total Alkaloids    | 2.55    | % |

**Salm.1: Salmonella via AOAC 081201, 2013.02 (BAX® PCR) Analyzed 08/30/24**

|                 |          |       |                |
|-----------------|----------|-------|----------------|
| Salmonella spp. | Negative | /25 g | NOT DETECTED ✓ |
|-----------------|----------|-------|----------------|

**STA.1a: S. aureus by mass via AOAC 2003.07, 2003.08, 2003.11 (Petrifilm™) Analyzed 08/30/24**

|                       |       |       |                |
|-----------------------|-------|-------|----------------|
| Staphylococcus aureus | < 100 | CFU/g | NOT DETECTED ✓ |
|-----------------------|-------|-------|----------------|

**STEC.1: E. coli (O157:H7, O26, O45, O103, O111, O121, O145) via AOAC 091301 (BAX® PCR, STEC Screen) Analyzed 08/30/24**

|                               |          |       |                |
|-------------------------------|----------|-------|----------------|
| Shiga toxin-producing E. coli | Negative | /25 g | NOT DETECTED ✓ |
|-------------------------------|----------|-------|----------------|

**YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 08/30/24**

|                |       |       |                 |
|----------------|-------|-------|-----------------|
| Yeast and Mold | 3,100 | CFU/g | BELOW 100,000 ✓ |
|----------------|-------|-------|-----------------|

Reported By:

Jake S Hedges, Chemistry Laboratory Technician, 11/13/2024

**LABS ASSESSED AGAINST AHPA (AMERICAN HERBAL PRODUCTS ASSOCIATION) GUIDELINES FOR DRIED HERBAL GOODS TO ENSURE SAFETY.**