

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

Jaya Kratom



Received: 8/20/2024 @ 22.7 °C

Report ID: 2408836

Sample ID: 2408836-001 3R0848**ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 08/22/24**

Aerobic Plate Count	630,000	CFU/g	BELOW 10,000,000 ✓
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CCR.1a: CC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 08/22/24

Total Coliform Bacteria	500	CFU/g	BELOW 10,000 ✓
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ECR.1a: EC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 08/22/24

Escherichia coli	< 100	CFU/g	NOT DETECTED ✓
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ICPMS.1: Metals via FDA - EAM:2008 (ICP/MS) Analyzed 08/26/24 **BELOW LIMITS ✓**

Arsenic (As)	0.197	< 2.0PPM	mg/kg (ppm)	Cadmium (Cd)	0.0178	< 0.82PPM	mg/kg (ppm)
Lead (Pb)	0.484	< 2.0PPM	mg/kg (ppm)	Mercury (Hg)	0.0204	< 0.40PPM	mg/kg (ppm)

MIT.2: Kratom Alkaloids via HPLC-DAD Analyzed 08/23/24**MEETS JAYA POTENCY STANDARDS ✓**

7-Hydroxymitragynine	< 0.0100	%	Isorhynchophylline	< 0.100	%
Mitragynine	1.10	%	Mitraphylline	< 0.100	%
Paynantheine	0.223	%	Speciociliatine	0.315	%
Speciogynine	0.175	%	Total Alkaloids	1.82	%

Salm.1: Salmonella via AOAC 081201, 2013.02 (BAX® PCR) Analyzed 08/22/24

Salmonella spp.	Negative	/25 g	NOT DETECTED ✓
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STA.1a: S. aureus by mass via AOAC 2003.07, 2003.08, 2003.11 (Petrifilm™) Analyzed 08/22/24

Staphylococcus aureus	< 100	CFU/g	NOT DETECTED ✓
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STEC.1: E. coli (O157:H7, O26, O45, O103, O111, O121, O145) via AOAC 091301 (BAX® PCR, STEC Screen) Analyzed 08/22/24

Shiga toxin-producing E. coli	Negative	/25 g	NOT DETECTED ✓
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YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 08/22/24

Yeast and Mold	460,000	CFU/g	ABOVE 100,000 REQUIRES MYCOTOXIN TESTING ✓
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Reported By:

Jake S Hedges, Chemistry Laboratory Technician, 9/4/2024

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