



# Certificate of Analysis for

Jaya Kratom

Received: 4/28/2023 @ 18.4 °C

Report ID: 2304B10

**Sample ID:** 2304B10-001 **Description:** CMD-04466

**ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 04/28/23**

Aerobic Plate Count	14,000	CFU/g	BELOW 10,000,000
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**CC.1a: CC by mass via AOAC 991.14, 998.03 (Petrifilm™) Analyzed 04/28/23**

Total Coliform Bacteria	700	CFU/g	NOT DETECTED
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**EC.1a: EC by mass via AOAC 991.14, 998.08 (Petrifilm™) Analyzed 04/28/23**

Escherichia coli	< 100	CFU/g	NOT DETECTED
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**ICPMS.1: Metals via FDA - EAM:2008 (ICP/MS) Analyzed 05/02/23**

Arsenic (As)	0.732 < 2.0 PPM	mg/kg (ppm)	Cadmium (Cd)	0.021 < 0.82 PPM	mg/kg (ppm)
Lead (Pb)	0.261 < 2.0 PPM	mg/kg (ppm)	Mercury (Hg)	0.021 < 0.40 PPM	mg/kg (ppm)

**MIT.2: Kratom Alkaloids via HPLC-DAD Analyzed 05/02/23**

7-Hydroxymitragynine	< 0.010	%	Isorhynchophylline	< 0.100	%
Mitragynine	1.48	%	Historic Mitragynine	1.76	%
Paynantheine	0.276	%	Speciociliatine Total	0.506	%
Speciogynine	0.173	%	Alkaloids	2.43	%

**Salm.1: Salmonella via AOAC 081201, 2013.02 (BAX® PCR) Analyzed 04/28/23**

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 04/28/23**

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 04/28/23**

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 04/28/23**

Yeast and Mold	16,000	CFU/g	BELOW 10,000
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Report ID 2304B10 has been amended as follows: Mitraphylline (non-detected) was omitted from the report to provide reporting for Historic Mitragynine (defined as Mitragynine + Paynantheine). A prefix of "CMD" was added to the sample description.

RPC 6-22-23

Reported By: \_\_\_\_\_

Ryan Connelly, Chemistry Laboratory Manager, 6/22/2023

VALUES DETERMINED BY AHPA (AMERICAN HERBAL PRODUCTS ASSOCIATION) GUIDELINES FOR DRIED UNPROCESSED HERBAL GOODS.