

**Certificate of Analysis for**

Badger Botanicals
79 W 900 S
Salt Lake City, UT 84101
Phone: (801) 882-4660

Received: 5/19/2025 @ 23.2 °C
Report ID: 2505891

Sample ID: 2505891-003 Lot #G523150

ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 05/20/25

Aerobic Plate Count < 100 CFU/g

CCR.1a: CC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 05/20/25

Total Coliform Bacteria < 100 CFU/g

ECR.1a: EC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 05/20/25

Escherichia coli < 100 CFU/g

ICPMS.1 Metals via AOAC 2015.01 Modified (ICP/MS) Analyzed 05/27/25

Arsenic (As)	0.167	mg/kg (ppm)	Cadmium (Cd)	0.0241	mg/kg (ppm)
Lead (Pb)	0.334	mg/kg (ppm)	Mercury (Hg)	0.0266	mg/kg (ppm)

MIT.2: Kratom Alkaloids via HPLC-DAD Analyzed 05/22/25

7-Hydroxymitragynine	< 0.0100	%	Isorhynchophylline	< 0.100	%
Mitragynine	1.30	%	Mitraphylline	< 0.100	%
Paynantheine	0.228	%	Speciociliatine	0.241	%
Speciogynine	0.144	%	Total Alkaloids	1.91	%

Salm.1: Salmonella via AOAC 081201, 2013.02 (BAX® PCR) Analyzed 05/20/25

Salmonella spp. Negative /25 g

STA.1a: S. aureus by mass via AOAC 2003.07, 2003.08, 2003.11 (Petrifilm™) Analyzed 05/20/25

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 05/20/25

Shiga toxin-producing E. coli (stx-eae) Negative /25 g

YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 05/20/25

Yeast and Mold < 100 CFU/g

Reported By: _____

Jake S Hedges

Jake S Hedges, Chemistry Laboratory Supervisor, 5/27/2025