

Certificate of Analysis for
 Badger Botanicals
 79 W 900 S
 Salt Lake City, UT 84101
 Phone: (801) 696-9108


Received: 4/1/2024 @ 19.6 °C W428230

Sample ID: 2404018-002

ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 04/01/24

Aerobic Plate Count	160,000	CFU/g
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CCR.1a: CC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 04/01/24

Total Coliform Bacteria	400	CFU/g
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ECR.1a: EC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 04/01/24

Escherichia coli	< 100	CFU/g
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ICPMS.1: Metals via FDA - EAM:2008 (ICP/MS) Analyzed 04/04/24

Arsenic (As)	0.272	mg/kg (ppm)	Cadmium (Cd)	0.025	mg/kg (ppm)
Lead (Pb)	0.785	mg/kg (ppm)	Mercury (Hg)	0.023	mg/kg (ppm)

MIT.2: Kratom Alkaloids via HPLC-DAD Analyzed 04/02/24

7-Hydroxymitragynine	< 0.010	%	Isorhynchophylline	< 0.100	%
Mitragynine	1.05	%	Mitraphylline	< 0.100	%
Paynantheine	0.248	%	Speciociliatine	0.452	%
Speciogynine	0.149	%	Total Alkaloids	1.90	%

Salm.1: Salmonella via AOAC 081201, 2013.02 (BAX® PCR) Analyzed 04/01/24

Salmonella spp.	Negative	/25 g
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STA.1a: S. aureus by mass via AOAC 2003.07, 2003.08, 2003.11 (Petrifilm™) Analyzed 04/01/24

Staphylococcus aureus	< 100	CFU/g
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STEC.1: E. coli (O157:H7, O26, O45, O103, O111, O121, O145) via AOAC 091301 (BAX® PCR, STEC Screen) Analyzed 04/01/24

Shiga toxin-producing E. coli	Negative	/25 g
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YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 04/01/24

Yeast and Mold	19,000	CFU/g
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Reported By: _____



Ryan Connelly, Chemistry Laboratory Manager, 4/4/2024