



Certificate of Analysis for

Down to Earth Botanicals
1921 Greenwood Ave Apt D14
Nashville, TN 37206
Phone: (978) 806-1625

Received: 1/10/2024 @ 13.7 °C
Report ID: 2401401

Sample ID: 2401401-002 Green #010924

ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 01/10/24

Aerobic Plate Count	2,400	CFU/g
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CCR.1a: CC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 01/10/24

Total Coliform Bacteria	< 100	CFU/g
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ECR.1a: EC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 01/10/24

Escherichia coli	< 100	CFU/g
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ICPMS.1: Metals via FDA - EAM:2008 (ICP/MS) Analyzed 01/12/24

Arsenic (As)	0.073	mg/kg (ppm)	Cadmium (Cd)	0.033	mg/kg (ppm)
Lead (Pb)	0.700	mg/kg (ppm)	Mercury (Hg)	0.016	mg/kg (ppm)

MIT.2: Kratom Alkaloids via HPLC-DAD Analyzed 01/12/24

7-Hydroxymitragynine	< 0.010	%	Isorhynchophylline	< 0.100	%
Mitragynine	1.65	%	Mitraphylline	< 0.100	%
Paynantheine	0.390	%	Speciociliatine	0.279	%
Speciogynine	0.250	%	Total Alkaloids	2.57	%

Salm.1: Salmonella via AOAC 081201, 2013.02 (BAX® PCR) Analyzed 01/10/24

Salmonella spp.	Negative	/10 g
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STA.1a: S. aureus by mass via AOAC 2003.07, 2003.08, 2003.11 (Petrifilm™) Analyzed 01/10/24

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 01/10/24

Shiga toxin-producing E. coli	Negative	/10 g
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YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 01/10/24

Yeast and Mold	600	CFU/g
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Reported By:

Ryan Connelly, Chemistry Laboratory Manager, 1/15/2024