



Certificate of Analysis for

Herba Re-Leaf LLC
281 West 6th Street
West Wyoming, PA 18644
Phone: (570) 447-5409

Analyses Pending

Received: 6/14/2025 @ 21.8 °C
Report ID: 2506712

Sample ID	Analyzed	Sample Description	Analysis	Result	Units	Method Code
2506712-005	6/16/2025	Red MD	7-Hydroxymitragynine	< 0.0100	%	MIT.2
	6/16/2025		Isorhynchophylline	< 0.100	%	MIT.2
	6/16/2025		Mitragynine	1.35	%	MIT.2
	6/16/2025		Mitraphylline	< 0.100	%	MIT.2
	6/16/2025		Paynantheine	0.240	%	MIT.2
	6/16/2025		Speciociliatine	0.313	%	MIT.2
	6/16/2025		Speciogynine	0.160	%	MIT.2
	6/16/2025		Total Alkaloids	2.06	%	MIT.2

Reported By:

Jake S Hedges

Jake S Hedges, Chemistry Laboratory Supervisor, 6/19/2025

Methodology:

MIT.2 : Kratom Alkaloids via HPLC-DAD

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Sample ID: 2506712-005 Red MD**ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 06/16/25**

Aerobic Plate Count	600	CFU/g
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CCR.1a: CC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 06/16/25

Total Coliform Bacteria	< 100	CFU/g
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ECR.1a: EC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 06/16/25

Escherichia coli	< 100	CFU/g
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ICPMS.1Metals via AOAC 2015.01 Modified (ICP/MS) Analyzed 06/19/25

Arsenic (As)	0.181	mg/kg (ppm)	Cadmium (Cd)	0.0231	mg/kg (ppm)
Lead (Pb)	0.336	mg/kg (ppm)	Mercury (Hg)	0.0157	mg/kg (ppm)

MIT.2: Kratom Alkaloids via HPLC-DAD Analyzed 06/16/25

7-Hydroxymitragynine	< 0.0100	%	Isorhynchophylline	< 0.100	%
Mitragynine	1.35	%	Mitraphylline	< 0.100	%
Paynantheine	0.240	%	Speciociliatine	0.313	%
Speciogynine	0.160	%	Total Alkaloids	2.06	%

Salm.1: Salmonella via AOAC 081201, 2013.02 (BAX® PCR) Analyzed 06/16/25

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 06/16/25

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 06/16/25

Shiga toxin-producing E. coli (stx-eae)	Negative	/25 g
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YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 06/16/25

Yeast and Mold	< 100	CFU/g
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Jake S Hedges, Chemistry Laboratory Supervisor, 6/23/2025