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MURRAY-BROWN LABORATORIES, INC.
Beyond the Raw Data

Certificate of Analysis for

Antidote Extract Labs
2923 38th St South
St. Petersburg, FL 33711
Phone: (727) 396-4850

Received: 8/24/2026 @ 32.7 °C
Report ID: 2608D13

Sample ID: 2608D13-001 AEL.G-104

ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 08/24/26

Aerobic Plate Count	< 10	CFU/g

ICPMS.1: Metals via AOAC 2015.01 Modified (ICP/MS) Analyzed 08/27/26

Arsenic (As)	< 0.0200	mg/kg (ppm)	Cadmium (Cd)	< 0.0100	mg/kg (ppm)
Lead (Pb)	< 0.00500	mg/kg (ppm)	Mercury (Hg)	< 0.00500	mg/kg (ppm)

KRA.2: 7-Hydroxymitragynine by LC-MS/MS Analyzed 08/28/26

7-Hydroxymitragynine	0.787	ppm	7-Hydroxymitragynine (Dry Matter Basis)	60.6	ppm

KRA.3: Mitragynine Pseudoindoxyl by LC-MS/MS Analyzed 08/28/26

Mitragynine Pseudoindoxyl	ND (LOD 0.01)	%

MIT.2: Kratom Alkaloids by HPLC-UV via AOAC 2017.14 (Modified) Analyzed 08/25/26

Isorhynchophylline	< 0.516	mg/mL	Mitragynine	5.05	mg/mL
Mitraphylline	< 0.516	mg/mL	Paynantheine	0.441	mg/mL
Speciociliatine	< 0.103	mg/mL	Speciogynine	0.271	mg/mL
Total Alkaloids	5.80	mg/mL			

Moisture.3: Moisture via AOAC 950.46 (Loss on Drying) Analyzed 08/31/26

Moisture	98.7	g/100 g (%)

ResSolv.1: Residual Solvents by Headspace GC/MS Analyzed 08/27/26

1,2-Dichloroethane	< 1.00	mg/kg (ppm)	2-Propanol	< 50.0	mg/kg (ppm)
Acetone	< 50.0	mg/kg (ppm)	Acetonitrile	< 50.0	mg/kg (ppm)
Benzene	< 0.500	mg/kg (ppm)	Chloroform	< 1.00	mg/kg (ppm)
Cyclohexane	< 50.0	mg/kg (ppm)	Diethyl ether	< 50.0	mg/kg (ppm)
Ethanol	< 50.0	mg/kg (ppm)	Ethyl Acetate	< 50.0	mg/kg (ppm)
Heptane	< 50.0	mg/kg (ppm)	Hexane	< 2.00	mg/kg (ppm)
Methanol	< 50.0	mg/kg (ppm)	Methylene Chloride	< 1.00	mg/kg (ppm)
N,N-Dimethylformamide	< 10.0	mg/kg (ppm)	Pentane	< 50.0	mg/kg (ppm)
Toluene	< 1.00	mg/kg (ppm)	Trichloroethene	< 50.0	mg/kg (ppm)
Xylenes (p-, m-, o-)	< 40.0	mg/kg (ppm)			

YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 08/24/26

Yeast and Mold	< 10	CFU/g

Reported By Jake S Hedges, Operations Manager, 9/1/2026

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