



Certificate of Analysis for

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

Received: 12/26/2025 @ 17.8 °C
Report ID: 2512C70

Sample ID: 2512C70-001 AEL.G-102 COA

ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 12/26/25

Aerobic Plate Count	< 10	CFU/g
---------------------	------	-------

ICPMS.1: Metals via AOAC 2015.01 Modified (ICP/MS) Analyzed 12/30/25

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 12/31/25

7-Hydroxymitragynine	0.483	ppm	7-Hydroxymitragynine (Dry Matter Basis)	< 0.100	ppm (DMB)
----------------------	-------	-----	---	---------	-----------

MIT.2: Kratom Alkaloids by HPLC-UV via AOAC 2017.14 (Modified) Analyzed 12/29/25

7-Hydroxymitragynine	< 0.0833	mg/mL	Isorhynchophylline	< 0.208	mg/mL
Mitragynine	4.88	mg/mL	Mitraphylline	< 0.208	mg/mL
Paynantheine	0.0541	mg/mL	Speciociliatine	< 0.0416	mg/mL
Speciogynine	0.0677	mg/mL	Total Alkaloids	5.01	mg/mL

ResSolv.1: Residual Solvents by Headspace GC/MS Analyzed 12/29/25

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 12/26/25

Yeast and Mold	< 10	CFU/g
----------------	------	-------

Jake S. Hedges

Reported By Jake S Hedges, Chemistry Laboratory Supervisor, 1/5/2026