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MURRAY-BROWN LABORATORIES, INC.
Beyond the Raw Data

Certificate of Analysis for

Club 13 Enterprises
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Hastings, FL 32145
Phone: (877) 922-5783

Received: 6/24/2026 @ 25.5 °C
Report ID: 2606D31

Sample ID: 2606D31-002 Kratom Extract Mit Extract Lot: E4002

ICPMS.1: Metals via AOAC 2015.01 Modified (ICP/MS) Analyzed 06/29/26

Arsenic (As)	< 0.0200	mg/kg (ppm)	Cadmium (Cd)	< 0.0100	mg/kg (ppm)
Lead (Pb)	0.0145	mg/kg (ppm)	Mercury (Hg)	< 0.00500	mg/kg (ppm)

KRA.2: 7-Hydroxymitragynine by LC-MS/MS Analyzed 06/24/26

7-Hydroxymitragynine	14.9	ppm

MIT.2: Kratom Alkaloids by HPLC-UV via AOAC 2017.14 (Modified) Analyzed 06/24/26

Isorhynchophylline	< 4.92	%	Mitragynine	75.8	%
Mitraphylline	< 4.92	%	Paynantheine	2.32	%
Speciociliatine	< 0.984	%	Speciogynine	1.39	%
Total Alkaloids	79.5	%			

ResSolv.1: Residual Solvents by Headspace GC/MS Analyzed 06/25/26

1,2-Dichloroethane	< 1.00	mg/kg (ppm)	2-Propanol	< 50.0	mg/kg (ppm)
Acetone	110	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)			

Reported By Jake S Hedges, Operations Manager, 6/30/2026

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Original