11455 Pearl St Northglenn, CO 80233 (303) 296-0264

MURRAY-BROWN LABORATORIES, INC.
Beyond the Raw Data

Certificate of Analysis for

Kats Botanicals
750 Hickory Industrial Drive
Old Hickory, TN 37138



Received: 1/27/2026 @ 21.2 °C

50mg - Kratom - Island Punch - AGG00826

Sample ID: 2601C20-002

ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 01/27/26

Aerobic Plate Count	< 10	CFU/g

ICPMS.1: Metals via AOAC 2015.01 Modified (ICP/MS) Analyzed 02/02/26

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

KRA.2: 7-Hydroxymitragynine by LC-MS/MS Analyzed 01/30/26

7-Hydroxymitragynine	< 0.200	ppm	7-Hydroxymitragynine (Dry Matter Basis)	< 0.200	ppm (DMB)

MIT.2: Kratom Alkaloids via AOAC 2017.14 (Modified) Analyzed 01/28/26

7-Hydroxymitragynine	< 0.200	mg/gummy	Isorhynchophylline	< 0.200	mg/gummy
Mitragynine	51.6	mg/gummy	Mitraphylline	< 0.200	mg/gummy
Paynantheine	0.694	mg/gummy	Speciociliatine	< 0.200	mg/gummy
Speciogynine	0.585	mg/gummy	Total Alkaloids	52.9	mg/gummy

Moisture.3: Moisture via AOAC 950.46 (Loss on Drying) Analyzed 01/28/26

Moisture	< 10	g/100 g (%)

ResSolv.1: Residual Solvents by Headspace GC/MS Analyzed 01/28/26

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)			

Gummy Mass (Provided by Client): 3.6 g

Reported By Jake S Hedges, Chemistry Laboratory Supervisor, 2/2/2026

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Original