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: 4/30/2024 @ 24.1 °C
Report ID: 2404C39

Sample ID	Analyzed	Sample Description	Analysis	Result	Units	Method Code
2404C39-001	5/2/2024	3.6g 50mg Kratom Gummy (Black Cherry) AGG000824	7-Hydroxymitragynine	< 0.100	mg/gummy	MIT.2
	5/2/2024		Isorhynchophylline	< 0.100	mg/gummy	MIT.2
	5/2/2024		Mitragynine	51.0	mg/gummy	MIT.2
	5/2/2024		Mitraphylline	< 0.100	mg/gummy	MIT.2
	5/2/2024		Paynantheine	4.18	mg/gummy	MIT.2
	5/2/2024		Speciociliatine	0.330	mg/gummy	MIT.2
	5/2/2024		Speciogynine	1.60	mg/gummy	MIT.2
	5/2/2024		Total Alkaloids	57.1	mg/gummy	MIT.2

Reported By:  Ryan Connelly, Chemistry Laboratory Manager, 5/14/2024

Methodology:

MIT.2 : Kratom Alkaloids via HPLC-DAD

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Sample ID	Analyzed	Sample Description	Analysis	Result	Units	Method Code
2404C39-002	5/2/2024	3.6g 50mg Kratom Gummy (Island Punch) AGG000924	7-Hydroxymitragynine	< 0.100	mg/gummy	MIT.2
	5/2/2024		Isorhynchophylline	< 0.100	mg/gummy	MIT.2
	5/2/2024		Mitragynine	50.2	mg/gummy	MIT.2
	5/2/2024		Mitraphylline	< 0.100	mg/gummy	MIT.2
	5/2/2024		Paynantheine	3.34	mg/gummy	MIT.2
	5/2/2024		Speciociliatine	< 0.010	mg/gummy	MIT.2
	5/2/2024		Speciogynine	1.66	mg/gummy	MIT.2
	5/2/2024		Total Alkaloids	55.2	mg/gummy	MIT.2

Reported By:  Ryan Connelly, Chemistry Laboratory Manager, 5/14/2024

Methodology:

MIT.2 : Kratom Alkaloids via HPLC-DAD

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