


MURRAY-BROWN
LABORATORIES, INC.

Beyond the Raw Data

Received: 05/14/2025 @ 23 °C

Report ID: 421867

Sample ID	Analyzed	Sample Description	Analysis	Result	Units	Method Code
421867-006	05/22/2025	MT01-22	Arsenic (As)	0.219	mg/kg (ppm)	ICPMS.1
	05/22/2025		Cadmium (Cd)	0.023	mg/kg (ppm)	ICPMS.1
	05/22/2025		Lead (Pb)	0.181	mg/kg (ppm)	ICPMS.1
	05/22/2025		Mercury (Hg)	0.015	mg/kg (ppm)	ICPMS.1
	05/18/2025		7-Hydroxymitragynine	< 0.010	%	MIT.2
	05/18/2025		Isorhynchophylline	< 0.100	%	MIT.2
	05/18/2025		Mitragynine	1.63	%	MIT.2
	05/18/2025		Mitraphylline	< 0.100	%	MIT.2
	05/18/2025		Paynantheine	0.118	%	MIT.2
	05/18/2025		Speciociliatine	0.157	%	MIT.2
	05/18/2025		Speciogynine	0.110	%	MIT.2
	05/18/2025		Total Alkaloids	1.99	%	MIT.2
	05/16/2025		Enterobacteriaceae	1,900	CFU/g	EB.1a

Ryan Connelly, Chemistry Laboratory Manager, 05/22/2025

Methodology:

EB.1a : EB by mass via AOAC 2003.01 (Petrifilm™) Prep: Quantitative Initial Dilution

MIT.2 : Kratom Alkaloids via HPLC-DAD

ICPMS.1 : Metals via FDA - EAM:2008 (ICP/MS) Mic.1 Digestion, Microwave