



Certificate of Analysis for

MitraMan Botanicals
PO Box 8305
Round Rock, TX 78683
Phone: (737) 256-2285

Received: 10/17/2023 @ 23.7 °C
Report ID: 2310717

Sample ID	Analyzed	Sample Description	Analysis	Result	Units	Method Code
2310717-001	10/20/2023	Red Bali	Arsenic (As)	0.057	mg/kg (ppm)	ICPMS.1
	10/20/2023		Cadmium (Cd)	0.028	mg/kg (ppm)	ICPMS.1
	10/20/2023		Lead (Pb)	0.464	mg/kg (ppm)	ICPMS.1
	10/20/2023		Mercury (Hg)	0.014	mg/kg (ppm)	ICPMS.1
	10/18/2023		7-Hydroxymitragynine	< 0.010	%	MIT.2
	10/18/2023		Isorhynchophylline	< 0.100	%	MIT.2
	10/18/2023		Mitragynine	1.27	%	MIT.2
	10/18/2023		Mitraphylline	< 0.100	%	MIT.2
	10/18/2023		Paynantheine	0.237	%	MIT.2
	10/18/2023		Speciociliatine	0.197	%	MIT.2
	10/18/2023		Speciogynine	0.156	%	MIT.2
	10/18/2023		Total Alkaloids	1.86	%	MIT.2
	10/17/2023		Salmonella spp.	Negative	/25 g	Salm.1
	10/17/2023		Shiga toxin-producing E. coli	Negative	/25 g	STEC.1
	10/17/2023		Aerobic Plate Count	13,000	CFU/g	ACR.1a
	10/17/2023		Total Coliform Bacteria	< 100	CFU/g	CCR.1a
10/17/2023	Escherichia coli	< 100	CFU/g	ECR.1a		
10/17/2023	Staphylococcus aureus	< 100	CFU/g	STA.1a		
10/17/2023	Yeast and Mold	11,000	CFU/g	YM.1a		

Reported By: _____

Ryan Connelly, Chemistry Laboratory Manager, 10/20/2023

Methodology:

ACR.1a : AC by mass via AOAC 2015.13 (PetriFilm™) Prep: Quantitative Initial Dilution

ECR.1a : EC by mass via AOAC OM 2018.13 (PetriFilm™) Prep: Quantitative Initial Dilution

MIT.2 : Kratom Alkaloids via HPLC-DAD

STA.1a : S. aureus by mass via AOAC 2003.07, 2003.08, 2003.11 (PetriFilm™) Prep: Quantitative Initial Dilution

YM.1a : YM by mass via AOAC RI 121301 (PetriFilm™) Prep: Quantitative Initial Dilution

CCR.1a : CC by mass via AOAC OM 2018.13 (PetriFilm™) Prep: Quantitative Initial Dilution

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

Salm.1 : Salmonella via AOAC 081201, 2013.02 (BAX® PCR)

STEC.1 : E. coli (O157:H7, O26, O45, O103, O111, O121, O145) via AOAC 091301 (BAX® PCR, STEC Screen)