



Certificate of Analysis for

Hawaii Kratom
2410 Kahe St
Kilauea, HI 96754
Phone: (818) 806-8386

Received: 6/9/2023 @ 26.9 °C

Report ID: 2306371

Sample ID	Analyzed	Sample Description	Analysis	Result	Units	Method Code
2306371-001	6/13/2023	Blended Hawaii Kratom Powder	Arsenic (As)	0.038	mg/kg (ppm)	ICPMS.1
	6/13/2023		Cadmium (Cd)	< 0.010	mg/kg (ppm)	ICPMS.1
	6/13/2023		Lead (Pb)	0.079	mg/kg (ppm)	ICPMS.1
	6/13/2023		Mercury (Hg)	0.055	mg/kg (ppm)	ICPMS.1
	6/12/2023		7-Hydroxymitragynine	< 0.010	%	MIT.2
	6/12/2023		Isorhynchophylline	< 0.100	%	MIT.2
	6/12/2023		Mitragynine	0.823	%	MIT.2
	6/12/2023		Mitraphylline	< 0.100	%	MIT.2
	6/12/2023		Paynantheine	0.125	%	MIT.2
	6/12/2023		Speciociliatine	0.217	%	MIT.2
	6/12/2023		Speciogynine	0.106	%	MIT.2
	6/12/2023		Total Alkaloids	1.27	%	MIT.2
	6/9/2023		Salmonella spp.	Negative	/25 g	Salm.1
	6/9/2023		Shiga toxin-producing E. coli	Negative	/25 g	STEC.1
	6/9/2023		Aerobic Plate Count	23,000	CFU/g	ACR.1a
	6/9/2023		Total Coliform Bacteria	< 100	CFU/g	CCR.1a
	6/9/2023		Escherichia coli	< 100	CFU/g	ECR.1a
	6/9/2023	Staphylococcus aureus	< 100	CFU/g	STA.1a	
	6/9/2023	Yeast and Mold	7,000	CFU/g	YM.1a	

Reported By: _____

Ryan Connelly, Chemistry Laboratory Manager, 6/13/2023

Methodology:

ACR.1a : AC by mass via AOAC 2015.13 (PetriFilm™) Yeast & Mold: AOAC 997.02-3M PetriFilm

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™) Yeast & Mold: AOAC 997.02-3M PetriFilm

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)