



Certificate of Analysis for

Adam Krupa - Dodavatel Kratomu
 Tylovice 2891
 Rožnov pod Radhoštěm, Zlínský kraj 75661
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Received: 7/21/2023 @ 23.3 °C
 Report ID: 2307827

Sample ID	Analyzed	Sample Description	Analysis	Result	Units	Method Code
2307827-005	7/28/2023	Brown Premium Nano Powder	Arsenic (As)	0.373	mg/kg (ppm)	ICPMS.1
	7/28/2023		Cadmium (Cd)	0.017	mg/kg (ppm)	ICPMS.1
	7/28/2023		Lead (Pb)	0.456	mg/kg (ppm)	ICPMS.1
	7/28/2023		Mercury (Hg)	0.021	mg/kg (ppm)	ICPMS.1
	7/25/2023		7-Hydroxymitragynine	< 0.010	%	MIT.1
	7/25/2023		Mitragynine	1.10	%	MIT.1
	7/24/2023		Salmonella spp.	Negative	/25 g	Salm.1
	7/24/2023		Shiga toxin-producing E. coli	Negative	/25 g	STEC.1
	7/28/2023		Nickel (Ni)	2.66	mg/kg (ppm)	ICPMS.1
	7/24/2023		Aerobic Plate Count	300	CFU/g	ACR.1a
	7/24/2023		Total Coliform Bacteria	< 100	CFU/g	CCR.1a
	7/24/2023		Escherichia coli	< 100	CFU/g	ECR.1a
	7/24/2023		Staphylococcus aureus	< 100	CFU/g	STA.1a
	7/24/2023		Yeast and Mold	< 100	CFU/g	YM.1a

Mitragynine concentration includes Paynantheine at approximately 5 - 20% of the total mitragynine concentration.

RPC 7-27-23

Reported By: _____

Ryan Connelly, Chemistry Laboratory Manager, 7/28/2023

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.1 : Mitragynine via AOAC 2017.14

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)