

Wonderland Labs

Certificate of Analysis

24 MAY 2022

RED POWDER / MITRAGYNINE / 36E52



Client:	MADEWELL	SAMPLE SET:	153270
Sample Type:	Powder	Prepped By:	Keith C.
Sample Weight:	200mg	Acquisition Method:	MIT-EVO_R2023-01
Dilution:	0.1	Testing ID:	GRD-MIT_152296.D
Vial:	Vial 4	Date Processed:	05/23/2023

----- ID/POTENCY -----

#	Analyte	RT (min)	Area (mAU*s)	Amt (µg/mL)	Alkaloid	Total %
1	Mitragynine	14	271	1.2	C ₂₃ H ₃₀ N ₂ O ₄	1.2
2	7-Hydroxymitragynine	6	.8	0.2	C ₂₃ H ₃₀ N ₂ O ₅	.002
3	Paynantheine	10	86	4	C ₂₃ H ₂₈ N ₂ O ₄	0.4
4	Speciogynine	11	55	3	C ₂₃ H ₃₀ N ₂ O ₄	0.3
5	Speciociliatine	12	39	2	C ₂₃ H ₃₀ N ₂ O ₄	0.2

----- BIOLOGICAL -----

Sample	Lot #	USP NF Total Viable Count		USP.NF Total Yeast		USP NF Total Mold	
		Spec	Result	Spec	Result	Spec	Result
Red Powder	36E52	<10k CFU/g	PASS	POS/NEG	NEG	POS/NEG	NEG

Sample	Lot #	FDA(BAM)CH.4 Coliform		USP NF E. Coli		USP NF Salmonella		USP NF Staphylococcus	
		Spec	Result	Spec	Result	Spec	Result	Spec	Result
Red Powder	36E52	<10k CFU/g	PASS	POS/NEG	NEG	POS/NEG	NEG	POS/NEG	NEG

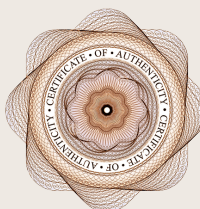
----- HEAVY METALS -----

Product #	Lot #	Metals	Spec	Results
Red Powder	36E52	Arsenic	< 10,000 ppb	320 ppb
		Cadmium	< 4,100 ppb	20 ppb
		Lead	< 900 ppb**	760 ppb
		Mercury*	< 300 ppb	20 ppb

Mitragynine Content: **1.2%**
ONE PERIOD TWO PERCENT

Heavy Metals: **PASS**

Biological: **PASS**



SEAL OF AUTHENTICITY

VERIFIED BY:

Quality Assurance: