



Certificate of Analysis

24 MAY 2022

WHITE POWDER / MITRAGYNINE / B78C5



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_152293.D
Vial:	Vial 1	Date Processed:	05/22/2023

ID/POTENCY

#	Analyte	RT (min)	Area (mAU*s)	Amt (µg/mL)	Alkaloid	Total %
1	Mitragynine	14	345	15	C ₂₃ H ₃₀ N ₂ O ₄	1.5
2	7-Hydroxymitragynine	6	0.7	0.2	C ₂₃ H ₃₀ N ₂ O ₅	.002
3	Paynantheine	10	95	4	C ₂₃ H ₂₈ N ₂ O ₄	0.4
4	Speciogynine	11	61	3	C ₂₃ H ₃₀ N ₂ O ₄	0.3
5	Speciociliatine	12	55	3	C ₂₃ H ₃₀ N ₂ O ₄	0.3

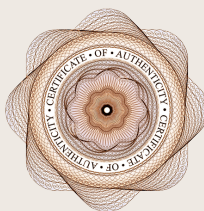
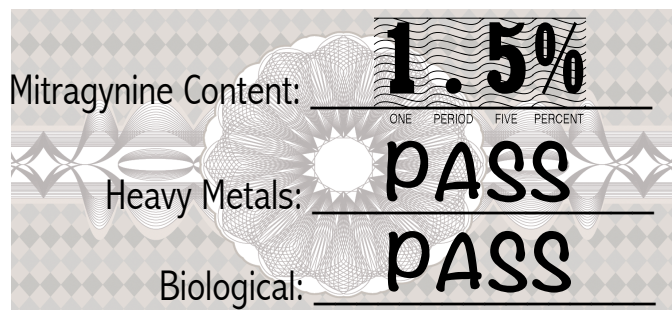
BIOLOGICAL

USP NF Total Viable Count				USP NF Total Yeast		USP NF Total Mold	
Sample	Lot #	Spec	Result	Spec	Result	Spec	Result
White Powder	B78C5	<10k CFU/g	PASS	POS/NEG	NEG	POS/NEG	NEG

FDA(BAM)CH.4 Coliform				USP NF E. Coli		USP NF Salmonella		USP NF Staphylococcus	
Sample	Lot #	Spec	Result	Spec	Result	Spec	Result	Spec	Result
White Powder	B78C5	<10k CFU/g	PASS	POS/NEG	NEG	POS/NEG	NEG	POS/NEG	NEG

HEAVY METALS

Product #	Lot #	Metals	Spec	Results
White Powder	B78C5	Arsenic	< 10,000 ppb	330 ppb
		Cadmium	< 4,100 ppb	20 ppb
		Lead	< 900 ppb**	170 ppb
		Mercury*	< 300 ppb	20 ppb



SEAL OF AUTHENTICITY

VERIFIED BY:

Quality Assurance: