



Certificate of Analysis

24 MAY 2023

KRATOM LIQUID PLATE / MITRAGYNE



Client:	MADEWELL	SAMPLE SET:	153270
Sample Type:	Liquid	Prepped By:	Keith C.
Sample Weight:	200mg	Acquisition Method:	MIT-EVO_R2023-01
Dilution:	0.01	Testing ID:	GRD-MIT_152312.D
Vial:	Vial 20	Date Processed:	05/23/2023

ID/POTENCY

#	Analyte	RT (min)	Area (mAU*s)	Amt (µg/mL)	Alkaloid	Total %
1	Mitragynine	14	916	43	C ₂₃ H ₃₀ N ₂ O ₄	.43
2	7-Hydroxymitragynine	6	4	1	C ₂₃ H ₃₀ N ₂ O ₅	.001
3	Paynantheine	10	92	0.4	C ₂₃ H ₂₈ N ₂ O ₄	0.04
4	Speciogynine	11	251	0.8	C ₂₃ H ₃₀ N ₂ O ₄	0.08
5	Speciociliatine	12	206	0.9	C ₂₃ H ₃₀ N ₂ O ₄	0.09

BIOLOGICAL

USP NF Total Viable Count				USP NF Total Yeast		USP NF Total Mold	
Sample	Lot #	Spec	Result	Spec	Result	Spec	Result
Kratom Liquid Plate	Mitragynine	<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
Kratom Liquid Plate	Mitragynine	<10k CFU/g	PASS	POS/NEG	NEG	POS/NEG	NEG	POS/NEG	NEG

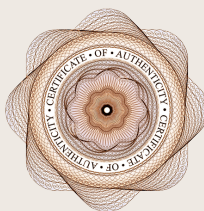
HEAVY METALS

Product #	Lot #	Metals	Spec	Results
Kratom Liquid Plate	Mitragynine	Arsenic	< 10,000 ppb	20 ppb
		Cadmium	< 4,100 ppb	N/D
		Lead	< 900 ppb**	30 ppb
		Mercury*	< 300 ppb	N/D

Mitragynine Content: **4.3** mg/mL
FOUR PERIOD THREE

Heavy Metals: **PASS**

Biological: **PASS**



SEAL OF AUTHENTICITY

VERIFIED BY:

Keith C.

Quality Assurance:

Mikhael Harris