

Wonderland Labs

Certificate of Analysis

24 MAY 2023

TUSK MANDARIN ORANGE / MITRAGYNINE / 86542



Client:	MADEWELL	SAMPLE SET:	153270
Sample Type:	Gummy	Prepped By:	Keith C.
Sample Weight:	200mg	Acquisition Method:	MIT-EVO_R2023-01
Dilution:	0.1	Testing ID:	GRD-MIT_152438.D
Vial:	Vial 35	Date Processed:	05/23/2023

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

#	Analyte	RT (min)	Area (mAU*s)	Amt (µg/mL)	Alkaloid	Total %
1	Mitragynine	14	35295	1810	C ₂₃ H ₃₀ N ₂ O ₄	3.6
2	7-Hydroxymitragynine	6	0.5	0.1	C ₂₃ H ₃₀ N ₂ O ₅	.001
3	Paynantheine	10	709	33	C ₂₃ H ₂₈ N ₂ O ₄	.33
4	Speciogynine	11	1959	92	C ₂₃ H ₃₀ N ₂ O ₄	.92
5	Speciociliatine	12	1574	74	C ₂₃ H ₃₀ N ₂ O ₄	.74

----- BIOLOGICAL -----

Sample	Lot #	USP NF Total Viable Count		USP.NF Total Yeast		USP NF Total Mold	
		Spec	Result	Spec	Result	Spec	Result
Tusk Mandarin Orange	86542	<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
Tusk Mandarin Orange	86542	<10k CFU/g	PASS	POS/NEG	NEG	POS/NEG	NEG	POS/NEG	NEG

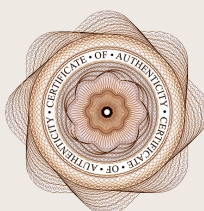
----- HEAVY METALS -----

Product #	Lot #	Metals	Spec	Results
Tusk Mandarin Orange	86542	Arsenic	< 10,000 ppb	10 ppb
		Cadmium	< 4,100 ppb	N/D
		86542	< 900 ppb**	90 ppb
		Mercury*	< 300 ppb	N/D

Mitragynine Content: **36** mg/piece
THREE SIX

Heavy Metals: **PASS**

Biological: **PASS**



SEAL OF AUTHENTICITY

VERIFIED BY:

Keith C.

Quality Assurance:

Michelle Harris