

# Wonderland Labs

## Certificate of Analysis

06 FEBRUARY 2025

TW POWDER / ED451



Client:	WESTMAN PRODUCTS	SAMPLE SET:	MWC-250128-A
Sample Type:	Powder	Prepped By:	Keith C.
Sample Weight:	200mg	Acquisition Method:	MIT-EVO_R2025-01
Dilution:	1.0	Testing ID:	250128-A_0007.D
Vial:	Vial 39	Date Processed:	01/29/2025

### ID/POTENCY

#	Analyte	RT (min)	Area (mAU*s)	Amt (µg/mL)	Alkaloid	Total %
1	Mitragynine	14	3222	135	C <sub>23</sub> H <sub>30</sub> N <sub>2</sub> O <sub>4</sub>	1.35
2	7-Hydroxymitragynine	6	N/D	N/D	C <sub>23</sub> H <sub>30</sub> N <sub>2</sub> O <sub>5</sub>	N/D
3	Paynantheine	10	844	41	C <sub>23</sub> H <sub>28</sub> N <sub>2</sub> O <sub>4</sub>	0.41
4	Speciogynine	11	611	30	C <sub>23</sub> H <sub>30</sub> N <sub>2</sub> O <sub>4</sub>	0.30
1	Mitragynine	14	451	22	C <sub>23</sub> H <sub>30</sub> N <sub>2</sub> O <sub>4</sub>	0.22

### BIOLOGICAL

USP NF  
Total Viable Count

USP.NF  
Total Yeast

USP NF  
Total Mold

Sample	Lot #	Spec	Result	Spec	Result	Spec	Result
TW Powder	ED451	500k 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
TW Powder	ED451	10k CFU/g	PASS	POS/NEG	NEG	POS/NEG	NEG	POS/NEG	NEG

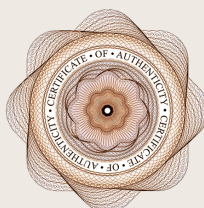
### HEAVY METALS

Product #	Lot #	Metals	Spec	Results
TW Powder	ED451	Arsenic	< 10,000 ppb	190 ppb
		Cadmium	< 4,100 ppb	20 ppb
		Lead	< 900 ppb**	510 ppb
		Mercury*	< 300 ppb	10 ppb

Mitragynine Content: 14 mg/g

Heavy Metals: PASS

Biological: PASS



SEAL OF AUTHENTICITY

VERIFIED BY: *Keith C.*

Quality Assurance: *Michelle Harris*