



Certificate of Analysis

08 SEPTEMBER 2025

100

LOT #: W-250825-01



Client:	PANACEA NATURAL	SAMPLE SET:	207800
Client Address:	4840 NE 12 th Ave	Prepped By:	Sarah T.
	Oakland Park, FL 33334	Date Received:	09/02/2025
Sample Matrix:	Kratom	Acquisition Method:	MIT-EVO_R2025-01
Sample Type:	Powder	Testing ID:	GRD-MIT_241439.D
Product Size:	Raw Material	Date Tested:	09/02/2025

ID/POTENCY

#	Analyte	Formula	Analytical Method(s)	Total %	Unit
1	Mitragynine	C ₂₃ H ₃₀ N ₂ O ₄	HPLC (Adapted Mudge & Brown, 2020*)	0.64	mg/g
2	7-Hydroxymitragynine	C ₂₃ H ₃₀ N ₂ O ₅	HPLC (Adapted Mudge & Brown, 2020*)	N/D	mg/g
3	Paynantheine	C ₂₃ H ₂₈ N ₂ O ₄	HPLC (Adapted Mudge & Brown, 2020*)	0.21	mg/g
4	Speciogynine	C ₂₃ H ₃₀ N ₂ O ₄	HPLC (Adapted Mudge & Brown, 2020*)	0.12	mg/g
5	Speciociliatine	C ₂₃ H ₃₀ N ₂ O ₄	HPLC (Adapted Mudge & Brown, 2020*)	0.09	mg/g

BIOLOGICAL

#	Analyte	Spec	Result	Method	Sample Size
1	Aerobic Plate Count	< 10,000,000 cfu/g	< 100,000 cfu/g	0973-00 Petrifilm 2025-41	10g
2	Coliforms	< 10,000 cfu/g	< 10,000 cfu/g	0973-00 Petrifilm 2025-41	10g
3	Enterobacteriaceae	< 10,000 cfu/g	< 10,000 cfu/g	0973-00 Petrifilm 2025-41	10g
5	Yeast & Mold	<100,000 cfu/g	<100,000 cfu/g	0972-00 Soleris 2025-41	10g
6	Staphylococcus	Absent in 10g	Absent	0973-00 Petrifilm 2025-41	10g
7	E. coli	Absent in 10g	Absent	0972-00 Soleris 2025-41	10g
8	Salmonella	Absent in 10g	Absent	0972-00 Soleris 2025-41	10g

HEAVY METALS

Product #	Lot #	Metals	Spec	Results
100	W-250825-01	Arsenic	< 10,000 ppb	260 ppb
		Cadmium	< 4,100 ppb	10 ppb
		Lead	< 900 ppb	410 ppb
		Mercury	< 300 ppb	20 ppb

Mitragynine Content: **6** mg / g

Heavy Metals: **Within Spec**

Biological: **Within Spec**



SEAL OF AUTHENTICITY

VERIFIED BY:

[Signature]

Quality Assurance:

Sarah T.

* Method conforms to AOAC methods for Microbial and Kratom Working Group SMPRs for mitragynine and 7-OH w/internal lab method MIT-EVO_R2025-01.
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