



# Certificate of Analysis

07 JULY 2025  
 WHITE KRATOM  
 LOT #: 25062001



Client:	PANACEA NATURAL	SAMPLE SET:	201800
Client Address:	4840 NE 12 <sup>th</sup> Ave Oakland Park, FL 33334	Prepped By:	Sarah T.
Sample Matrix:	Kratom	Date Received:	06/24/2025
Sample Type:	Powder	Acquisition Method:	MIT-EVO_R2025-01
Product Size:	Raw Material	Testing ID:	GRD-MIT_168011.D
		Date Tested:	06/25/2025

## ID/POTENCY

#	Analyte	Formula	Analytical Method(s)	Total %	Unit
1	Mitragynine	C <sub>23</sub> H <sub>30</sub> N <sub>2</sub> O <sub>4</sub>	HPLC (Adapted Mudge & Brown, 2020*)	1.34	mg/g
2	7-Hydroxymitragynine	C <sub>23</sub> H <sub>30</sub> N <sub>2</sub> O <sub>5</sub>	HPLC (Adapted Mudge & Brown, 2020*)	N/D	mg/g
3	Paynantheine	C <sub>23</sub> H <sub>28</sub> N <sub>2</sub> O <sub>4</sub>	HPLC (Adapted Mudge & Brown, 2020*)	0.37	mg/g
4	Speciogynine	C <sub>23</sub> H <sub>30</sub> N <sub>2</sub> O <sub>4</sub>	HPLC (Adapted Mudge & Brown, 2020*)	0.32	mg/g
5	Speciociliatine	C <sub>23</sub> H <sub>30</sub> N <sub>2</sub> O <sub>4</sub>	HPLC (Adapted Mudge & Brown, 2020*)	0.23	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
White Kratom	25062001	Arsenic	< 10,000 ppb	80 ppb
		Cadmium	< 4,100 ppb	10 ppb
		Lead	< 900 ppb	170 ppb
		Mercury	< 300 ppb	10 ppb

Mitragynine Content: **13 mg/g**  
ONE THREE

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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