Certificate of Analysis

08 OCTOBER
R-250917-01
LOT #: 230403

Client:	PANACEA NATURAL	SAMPLE SET:	210250
Client Address:	4840 NE 12 Ave	Prepped By:	Kimberly T.
	Oakland Park, FL 33334	Date Received:	09/29/2025
Sample Matrix:	Kratom	Acquisition Method:	MIT-EVO_R2025-01
Sample Type:	Powder	Testing ID:	210250_0002.D
Product Size:	Raw Material	Date Tested:	09/29/2025

ID/POTENCY

#	Analyte	Formula	Analytical Method(s)	Total %	Unit
1	Mitragynine	$C_{23}H_{30}N_2O_4$	HPLC (Adapted Mudge & Brown, 2020*)	0.62	mg/g
2	7-Hydroxymitragynine	$C_{23}H_{30}N_2O_5$	HPLC (Adapted Mudge & Brown, 2020*)	0.000	mg/g
3	Paynantheine	$C_{23}H_{28}N_2O_4$	HPLC (Adapted Mudge & Brown, 2020*)	0.27	mg/g
4	Speciogynine	$C_{23}H_{30}N_2O_4$	HPLC (Adapted Mudge & Brown, 2020*)	0.15	mg/g
5	Speciociliatine	$C_{23}H_{30}N_2O_4$	HPLC (Adapted Mudge & Brown, 2020*)	0.12	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	Entereobateriaceae	< 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
R-250917-01	230403	Arsenic	< 10,000 ppb	110 ppb
		Cadmium	< 4,100 ppb	30 ppb
		Lead	< 900 ppb	300 ppb
		Mercury	< 300 ppb	10 ppb

Mitragynine Content: 6 mg /g (SIX)

Heavy Metals: Within Spec

Biological: Within Spec

SEAL OF AUTHENTICITY

VERIFIED BY:

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.