WONDERLAND LABS
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Certificate of Analysis

14 OCTOBER 2025
BATCH# 06-01
LOT #: WHITE KRATOM

Client:	**KINGDOM KRATOM**	**SAMPLE SET:**	**210890**
Client Address:	4311 Centergate St	Prepped By:	Sarah T.
	San Antonio, TX 78217	Date Received:	10/06/2025
Sample Matrix:	Kratom	Acquisition Method:	MIT-EVO_R2025-01
Sample Type:	Powder	Testing ID:	210890_0003.D
Product Size:	Raw Material	Date Tested:	10/06/2025

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

#	Analyte	Formula	Analytical Method(s)	Total %	Unit
1	Mitragynine	$C_{23}H_{30}N_2O_4$	HPLC (Adapted Mudge & Brown, 2020*)	1.53	mg/g
2	7-Hydroxymitragynine	$C_{23}H_{30}N_2O_5$	HPLC (Adapted Mudge & Brown, 2020*)	N/D	mg/g
3	Paynantheine	$C_{23}H_{28}N_2O_4$	HPLC (Adapted Mudge & Brown, 2020*)	0.40	mg/g
4	Speciogynine	$C_{23}H_{30}N_2O_4$	HPLC (Adapted Mudge & Brown, 2020*)	0.33	mg/g
5	Speciociliatine	$C_{23}H_{30}N_2O_4$	HPLC (Adapted Mudge & Brown, 2020*)	0.24	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	10g	Absent	0972-00 Soleris 2025-41	10g
8	Salmonella	10g	Absent	0972-00 Soleris 2025-41	10g

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

Product #	Lot #	Metals	Spec	Results
Batch# 06-01	White Kratom	Arsenic	< 10,000 ppb	70 ppb
		Cadmium	< 4,100 ppb	20 ppb
		Lead	< 900 ppb	230 ppb
		Mercury	< 300 ppb	10 ppb

Mitragynine Content: 15 mg /g
ONE FIVE

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.
** LOD for7-Hydroxymitragynine (7-OH) is 0.1ppm and N/D on this COA indicates a value below the LOD. |