



Certificate of Analysis

22 SEPTEMBER 2025
 RB50WG-PSEUDO
 LOT #: 102325



Client:	REAL BOTANICALS	SAMPLE SET:	209270
Client Address:	201 Tom Hall Street PO Box 873 Fort Mill, SC 29716	Prepped By:	Sarah T.
Sample Matrix:	Fort Mill, SC 29716	Date Received:	09/16/2025
Sample Type:	Kratom Powder	Acquisition Method:	MIT-EVO_R2025-01
Product Size:	0.519g/tablet	Testing ID:	GRD-MIT_242221.D
		Date Tested:	09/17/2025

ID/POTENCY

#	Analyte	Formula	Analytical Method(s)	Total %	Unit
1	Mitragynine	C ₂₃ H ₃₀ N ₂ O ₄	HPLC (Adapted Mudge & Brown, 2020*)	1.03	mg/g
2	7-Hydroxymitragynine	C ₂₃ H ₃₀ N ₂ O ₅	HPLC (Adapted Mudge & Brown, 2020*)	N/D	mg/g
3	Mitragynine Pseudoindoxyl	C ₂₃ H ₃₀ N ₂ O ₅	HPLC (Adapted Mudge & Brown, 2020*)	9.24	mg/g
4	Paynantheine	C ₂₃ H ₂₈ N ₂ O ₄	HPLC (Adapted Mudge & Brown, 2020*)	N/D	mg/g
5	Speciogynine	C ₂₃ H ₃₀ N ₂ O ₄	HPLC (Adapted Mudge & Brown, 2020*)	N/D	mg/g
6	Speciociliatine	C ₂₃ H ₃₀ N ₂ O ₄	HPLC (Adapted Mudge & Brown, 2020*)	N/D	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
RB50WG-PSEUDO	102325	Arsenic	< 10,000 ppb	20 ppb
		Cadmium	< 4,100 ppb	N/D
		Lead	< 900 ppb	10 ppb
		Mercury	< 300 ppb	N/D

Pseudo Content: **48 mg/tab**
FOUR EIGHT

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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