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Certificate of Analysis

21 AUGUST 2026

SAMPLE 2

LOT #: 003



CLIENT:	Alkaloid Bros	SAMPLE SET:	245030
Address:	2785 Pacific Coast Hwy	Prepped By:	Sarah T.
Address:	Torrance, CA Torrance	Date Acquired:	08/21/2026
Dilution:	1:1	Acquisition Method:	MIT-EVO_R2026-PT
Sample Matrix:	Powder	Testing ID:	GRD-MIT_169606.D
Sample Weight:	2000mg	Date Processed:	08/21/2026
Product Weight:	765mg	Calibration ID:	CALI-244-2026

#	Analyte	Formula	Analytical Method(s)	Total %	Unit
1	Mitragynine	$C_{23}H_{30}N_2O_4$	HPLC (Adapted Mudge & Brown, 2020*)	N/D	mg/tab
2	7-Hydroxymitragynine	$C_{23}H_{30}N_2O_5$	HPLC (Adapted Mudge & Brown, 2020*)	N/D	mg/tab
3	MGM-15 (semi-synthetic)	$C_{23}H_{30}N_2O_5$	HPLC (Adapted Mudge & Brown, 2020*)	N/D	mg/tab
4	SR-17018	$C_{19}H_{18}Cl_3N_{30}$	HPLC (Adapted SOP-0981.00 SR v1)	6.60	mg/tab
5	Speciogynine	$C_{23}H_{28}N_2O_4$	HPLC (Adapted Mudge & Brown, 2020*)	N/D	mg/tab
6	Paynantheine	$C_{23}H_{30}N_2O_4$	HPLC (Adapted Mudge & Brown, 2020*)	N/D	mg/tab
7	Speciociliatine	$C_{23}H_{30}N_2O_4$	HPLC (Adapted Mudge & Brown, 2020*)	N/D	mg/tab
TOTAL ALKALOIDS:				6.60%	mg/tab

Mitragynine Content:	N/D	mg/tab
7OH Content:	N/D	mg/tab
SR-17018 Content:	50	mg/tab
MGM-15 Content:	N/D	mg/tab



SEAL OF AUTHENTICITY

VERIFIED BY:

Quality Assurance:

* Method conforms to AOAC Kratom Working Group SMPRs for mitragynine and 7-OH plus internal lab methods MIT-EVO_R2025-01 / JIA-KVL_2024-R1.

** Interim LOD for 7-Hydroxymitragynine (7-OH) is 1.0ppm and N/D on this COA indicates a value below the LOD.

Decision Rule: When statements of conformity are provided, measurement of uncertainty is not taken into consideration when determining those statements.

Simple acceptance is used. COA results apply to the samples as received.

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