



Certificate of Analysis

20 JUNE 2025

01062025YL / LOT #: N/A



CLIENT:	ZMB Enterprises	SAMPLE SET:	201530
Address:	5145 Avenida Encinas Ste J	Prepped By:	Kimberly T.
Address:	Carlsbad, CA 92008	Date Acquired:	06/20/2025
Dilution:	1:10	Acquisition Method:	MIT-EVO_R2025-01
Sample Matrix:	Liquid	Testing ID:	GRD-MIT_167935.D
Sample Weight:	200mL	Date Processed:	06/20/2025
Product Weight:	Raw Material	Calibration ID:	CALI-244-2025

#	Analyte	Formula	Analytical Method(s)	Total %	Unit
1	Mitragynine	$C_{23}H_{30}N_2O_4$	HPLC (Adapted Mudge & Brown, 2020*)	4.70	mg/mL
2	7-Hydroxymitragynine	$C_{23}H_{30}N_2O_5$	HPLC (Adapted Mudge & Brown, 2020*)	N/D	mg/mL
3	Mitragynine Pseudoindoxyl	$C_{23}H_{30}N_2O_5$	HPLC (Adapted Mudge & Brown, 2020*)	N/D	mg/mL
4	Paynantheine	$C_{23}H_{28}N_2O_4$	HPLC (Adapted Mudge & Brown, 2020*)	0.20	mg/mL
5	Speciogynine	$C_{23}H_{30}N_2O_4$	HPLC (Adapted Mudge & Brown, 2020*)	0.60	mg/mL
6	Speciociliatine	$C_{23}H_{30}N_2O_4$	HPLC (Adapted Mudge & Brown, 2020*)	0.41	mg/mL



SEAL OF AUTHENTICITY

VERIFIED BY: *[Signature]*

Quality Assurance: *Sarah T.*

* 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.
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