



CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 00

DATE: 06/05/2023

Analysis ID No. 231681
 TDA License No. 2020002
 ISO/IEC No. 1055838
 Purchase Order: 20230427
 Page No. Page 1 of 2

CUSTOMER INFORMATION	SAMPLE INFORMATION
Company Name: ZMB Enterprises LLC	Submitted Sample Name: B2
Address: 5145 Avenida Encinas Suite J Carlsbad, CA 92008	Submitted Sample Lot: N/A
Phone Number: 760-441-6050	Submitted Sample Description: Amber Liquid in Clear Glass Bottle; Stored at Rm Temp
Contact Name / Email: Scott Moberg / scott@zmbco.com	Submitted Sample Product Type / Matrix: Kratom Extract / Beverage

ALKALOIDS ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Mitragynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/mL: Report Only*	4.488 w/w% 44.885 mg/g 46.366 mg/mL	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/mL: Report Only*	0.446 w/w% 4.456 mg/g 4.603 mg/mL	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/mL: Report Only*	0.320 w/w% 3.200 mg/g 3.306 mg/mL	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/mL: Report Only*	0.078 w/w% 0.776 mg/g 0.802 mg/mL	Results Reported
7-OH-Mitragynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/mL: Report Only* % of Total Alkaloids: NMT 2%	< 0.010 w/w%	PASS
Mitraphylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/mL: Report Only*	< 0.010 w/w%	Results Reported
Isorhynchophylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/mL: Report Only*	< 0.010 w/w%	Results Reported
Corynoxine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/mL: Report Only*	< 0.010 w/w%	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/mL: Report Only*	5.332 w/w% 53.318 mg/g 55.077 mg/mL	Results Reported

TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	Santé Sample ID: 231681 Receipt Date: 06/02/2023 / 09:40 AM CST / P. Steinberg Receipt Condition: Good Analysis Start Date: 06/02/2023

ADDITIONAL REPORT NOTES
The reported results presented in this document is only applicable to samples submitted to Santé Laboratories for testing and may not represent the entire lot and/or batch produced by the manufacturer. * Density: 1.033 g/mL, this is based on the average of five (5) measurements. ©2020 Santé Laboratories, LLC – All Rights Reserved



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VERSION HISTORY		
Version	Effective Date	Summary of Changes
00	06/05/2023	Initial Release



REVIEWED AND APPROVED BY	
<p>DocuSigned by: <i>Yvonne Rivera</i> E49DDA845186484...</p> <hr/> <p>Yvonne Rivera Data Management Specialist Santé Laboratories</p>	<p>05 June 2023 3:02:36 PM PDT</p> <hr/> <p>Date</p>