

# CERTIFICATE OF ANALYSIS

**SAMPLE NAME:** PART# 10090 -I Am Plant Based White Maeng Da  
**SAMPLE CODE:** DTS-250529-026  
**CLIENT:** I Am Plant Based LLC  
**BATCH RESULT:** PASS



**MATRIX NAME:** Botanical Powder - Plant  
**SAMPLE TYPE:** Quality Assurance  
**RECEIVED DATE:** Fri, May 30, 2025  
**PUBLISHED DATE:** Wed, Jun 4, 2025  
**BATCH/LOT CODE:** 2366W  
**BATCH SIZE:** N/A  
**SAMPLE SIZE:** 1U  
**AVERAGE UNIT WEIGHT:** 2.5g

**MITRAGYNINE** 31.69 mg / serv

**TOTAL MAJOR ALKALOIDS** 53.63 mg / serv

**TOTAL MINOR ALKALOIDS** 0.09 mg / serv

ALKU ✓  
**Kratom Alkaloids**  
High Level

ALKL ✓  
**Kratom Alkaloids**  
Low Level

SAL ✓  
**Salmonella**  
qPCR

ECOLI ✓  
**Total Coliforms & E. coli**  
Plate

TAMC ✓  
**Total Aerobic Bacteria**  
Plate

SAUR ✓  
**Staphylococcus aureus**  
Plate

TYMFD ✓  
**Total Yeast & Mold**  
Plate

FTIRR ✓  
**Identification by FTIR**  
Report

## APPROVALS

### RESULTS REVIEWED BY:



**Leslie Varela**  
Laboratory Director

Cambium Analytica  
Wednesday, Jun 4, 2025

### RESULTS CERTIFIED BY:



**Douglas Smith**  
VP - Scientific Operations

Cambium Analytica  
Wednesday, Jun 4, 2025

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ALKU

**KRATOM ALKALOIDS - HIGH LEVEL**LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD  
ALKU-DTS-250529-026-01 - TUE, JUN 3, 2025

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	1.2675 %	12.6750 mg/g	31.69 mg	12675.00 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.4218 %	4.2180 mg/g	10.54 mg	4218.00 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.2976 %	2.9760 mg/g	7.44 mg	2976.00 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogygine	0.1584 %	1.5840 mg/g	3.96 mg	1584.00 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	2.1453 %	21.4530 mg/g	53.63 mg	21453.00 mg	N/A	N/A	N/A	N/A

ALKL

**KRATOM ALKALOIDS - LOW LEVEL**LAB-TM-047 - DETERMINATION OF KRATOM ALKALOID CONTENT BY LC-TQ  
ALKL-DTS-250529-026-01 - TUE, JUN 3, 2025

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.00346 %	0.03464 mg/g	0.09 mg	34.64 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00003 %	0.00032 mg/g	0.00 mg	0.32 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.00350 %	0.03496 mg/g	0.09 mg	34.96 mg	N/A	0.006 ug/g	0.03 ug/g	N/A

SAL

**SALMONELLA - QPCR - 25G**LAB-TM-063 - DETECTION AND ISOLATION OF SALMONELLA SPP. IN FOODS AND DIETARY SUPPLEMENTS  
SAL-DTS-250529-026-01 - TUE, JUN 3, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Salmonella Spp	ND	Detection	N/A	N/A	PASS

ECOLI

**TOTAL COLIFORMS & E. COLI - PLATE - 25G - FULL RANGE**LAB-TM-059 - ENUMERATION OF ESCHERICHIA COLI AND TOTAL COLIFORM IN FOODS AND DIETARY SUPPLEMENTS  
ECOLI-DTS-250529-026-01 - TUE, JUN 3, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
E. coli	ND	Detection	10 CFU/g	10 CFU/g	PASS
Total Coliforms	ND	1000 CFU/g	10 CFU/g	10 CFU/g	PASS

TAMC

**TOTAL AEROBIC BACTERIA - PLATE - 25G - FULL RANGE**LAB-TM-060 - ENUMERATION OF TOTAL AEROBIC COUNT IN FOODS AND DIETARY SUPPLEMENTS  
TAMC-DTS-250529-026-01 - TUE, JUN 3, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Aerobic Count	1000 CFU/g	100000 CFU/g	1000 CFU/g	1000 CFU/g	PASS

SAUR

**STAPHYLOCOCCUS AUREUS - PLATE - 25G**LAB-TM-062 - ENUMERATION OF STAPHYLOCOCCUS AUREUS IN FOODS AND DIETARY SUPPLEMENTS  
SAUR-DTS-250529-026-01 - TUE, JUN 3, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
S. aureus	ND	Detection	10 CFU/g	10 CFU/g	PASS

TYMFD

**TOTAL YEAST & MOLD - PLATE - 25G - FULL RANGE**LAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS  
TYMFD-DTS-250529-026-01 - WED, JUN 4, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Mold	ND	N/A	10 CFU/g	10 CFU/g	N/A
Total Yeast	ND	N/A	10 CFU/g	10 CFU/g	N/A
Total Yeast and Mold	ND	1000 CFU/g	10 CFU/g	10 CFU/g	PASS

FTIRR

**IDENTIFICATION BY FTIR - REPORT**NULL IDENTIFICATION BY FTIR  
FTIRR-DTS-250529-026-01 - TUE, JUN 3, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Quality Index Score	98.86 %	95-100 %	N/A	N/A	PASS