

# CERTIFICATE OF ANALYSIS

**SAMPLE NAME:** PART# 10110 -I Am Plant Based Super Red Maeng Da  
**SAMPLE CODE:** DTS-250530-011  
**CLIENT:** I Am Plant Based LLC  
**BATCH RESULT:** PASS



**MATRIX NAME:** Botanical Powder - Plant  
**SAMPLE TYPE:** Quality Assurance  
**RECEIVED DATE:** Mon, Jun 2, 2025  
**PUBLISHED DATE:** Thu, Jun 5, 2025  
**BATCH/LOT CODE:** 2363R  
**BATCH SIZE:** 1U  
**SAMPLE SIZE:** 1U  
**AVERAGE UNIT WEIGHT:** 2.5g (200 servings/package)

**MITRAGYNINE** 29.98 mg / serv

**TOTAL MAJOR ALKALOIDS** 50.66 mg / serv

**TOTAL MINOR ALKALOIDS** 0.11 mg / serv

<b>ALKU</b> ✓ Kratom Alkaloids High Level	<b>ALKL</b> ✓ Kratom Alkaloids Low Level	<b>SAL</b> ✓ Salmonella qPCR	<b>ECOLI</b> ✓ Total Coliforms & E. coli Plate	<b>TAMC</b> ✓ Total Aerobic Bacteria Plate
<b>SAUR</b> ✓ Staphylococcus aureus Plate	<b>TYMFD</b> ✓ Total Yeast & Mold Plate	<b>FTIRR</b> ✓ Identification by FTIR Report		

## APPROVALS

### RESULTS REVIEWED BY:



**Leslie Varela**  
Laboratory Director

Cambium Analytica  
Thursday, Jun 5, 2025

### RESULTS CERTIFIED BY:



**Douglas Smith**  
VP - Scientific Operations

Cambium Analytica  
Thursday, Jun 5, 2025

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ALKU

**KRATOM ALKALOIDS - HIGH LEVEL**LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD  
ALKU-DTS-250530-011-02 - TUE, JUN 3, 2025

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	1.1994 %	11.9940 mg/g	29.98 mg	5997.00 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.3884 %	3.8840 mg/g	9.71 mg	1942.00 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.2879 %	2.8790 mg/g	7.20 mg	1439.50 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogygine	0.1507 %	1.5070 mg/g	3.77 mg	753.50 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	2.0264 %	20.2640 mg/g	50.66 mg	10132.00 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-250530-011-01 - WED, JUN 4, 2025

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.00454 %	0.04541 mg/g	0.11 mg	22.70 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00003 %	0.00027 mg/g	0.00 mg	0.13 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.00457 %	0.04567 mg/g	0.11 mg	22.84 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-250530-011-01 - WED, JUN 4, 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-250530-011-01 - WED, JUN 4, 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-250530-011-01 - WED, JUN 4, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Aerobic Count	4000 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-250530-011-01 - WED, JUN 4, 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-250530-011-01 - THU, JUN 5, 2025

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

FTIRR

**IDENTIFICATION BY FTIR - REPORT**NULL IDENTIFICATION BY FTIR  
FTIRR-DTS-250530-011-01 - WED, JUN 4, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Quality Index Score	99.80 %	95-100 %	N/A	N/A	PASS