

# Certificate of Analysis

**Sample Name:** Part# 10100 - I Am Plant Based Red Dragon  
**Client:** I Am Plant Based LLC  
**Sample Code:** DTS-250721-004  
**Matrix Name:** Botanical Powder - Plant  
**Type / Result:** Quality Assurance - Pass



**Received Date:** Tue, Jul 22, 2025  
**Published Date:** Mon, Jul 28, 2025  
**Batch/Lot Code:** 2465R  
**Batch Size:** 1U  
**Sample Size:** 1U  
**Average Unit Weight:** 2.5g (100 servings/package.)

## RESULT SUMMARY

Mitragynine	28.67 mg /serv
Total Major Alkaloids	47.06 mg /serv
Total Minor Alkaloids	0.08 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  
Monday, Jul 28, 2025

### RESULTS CERTIFIED BY:

 **Douglas Smith**  
VP - Scientific Operations  
Cambium Analytica  
Monday, Jul 28, 2025

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ALKU

**Kratom Alkaloids - High Level**LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD  
ALKU-DTS-250721-004-01 - THU, JUL 24, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.1468 %	11.4680 mg/g	28.67 mg	2867.00 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.3270 %	3.2700 mg/g	8.18 mg	817.50 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.2639 %	2.6390 mg/g	6.60 mg	659.75 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.1448 %	1.4480 mg/g	3.62 mg	362.00 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	1.8825 %	18.8250 mg/g	47.06 mg	4706.25 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-250721-004-01 - FRI, JUL 25, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00325 %	0.03246 mg/g	0.08 mg	8.11 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00001 %	0.00010 mg/g	0.00 mg	0.03 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.00326 %	0.03256 mg/g	0.08 mg	8.14 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-250721-004-01 - FRI, JUL 25, 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-250721-004-01 - THU, JUL 24, 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-250721-004-01 - THU, JUL 24, 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-250721-004-01 - THU, JUL 24, 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-250721-004-01 - FRI, JUL 25, 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**ANA-TM-113 - Identification by FTIR  
FTIRR-DTS-250721-004-01 - THU, JUL 24, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	99.92 %	95 - 100 %	N/A	N/A	PASS