

# CERTIFICATE OF ANALYSIS

**SAMPLE NAME:** PART # 10090 - I Am Plant Based White Borneo  
**SAMPLE CODE:** DTS-250603-033  
**CLIENT:** I Am Plant Based LLC  
**BATCH RESULT:** PASS



**MATRIX NAME:** Botanical Powder - Plant  
**SAMPLE TYPE:** Quality Assurance  
**RECEIVED DATE:** Wed, Jun 4, 2025  
**PUBLISHED DATE:** Mon, Jun 9, 2025  
**BATCH/LOT CODE:** 2368W  
**BATCH SIZE:** 1U  
**SAMPLE SIZE:** 1U  
**AVERAGE UNIT WEIGHT:** 2.5g (400 servings/package)

**MITRAGYNINE** 27.79 mg / serv

**TOTAL MAJOR ALKALOIDS** 48.12 mg / serv

**TOTAL MINOR ALKALOIDS** 0.12 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, Jun 9, 2025

### RESULTS CERTIFIED BY:



**Douglas Smith**  
VP - Scientific Operations

Cambium Analytica  
Monday, Jun 9, 2025

This report may not be reproduced except in full without approval from Cambium Analytica. The results herein relate only to the sample & batch identified in this report.

ALKU

**KRATOM ALKALOIDS - HIGH LEVEL**LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD  
ALKU-DTS-250603-033-02 - THU, JUN 5, 2025

| ANALYTE               | VALUE    | VALUE (MG/G) | PER SERVING | PER PACKAGE | ACTION LIMIT | LOD      | LOQ      | STATUS |
|-----------------------|----------|--------------|-------------|-------------|--------------|----------|----------|--------|
| Mitragynine           | 1.1117 % | 11.1170 mg/g | 27.79 mg    | 11117.00 mg | N/A          | 0.3 ug/g | 0.5 ug/g | N/A    |
| Speciociliatine       | 0.3965 % | 3.9650 mg/g  | 9.91 mg     | 3965.00 mg  | N/A          | 0.3 ug/g | 0.5 ug/g | N/A    |
| Paynantheine          | 0.2780 % | 2.7800 mg/g  | 6.95 mg     | 2780.00 mg  | N/A          | 0.3 ug/g | 0.5 ug/g | N/A    |
| Speciogygine          | 0.1384 % | 1.3840 mg/g  | 3.46 mg     | 1384.00 mg  | N/A          | 0.3 ug/g | 0.5 ug/g | N/A    |
| Total Major Alkaloids | 1.9246 % | 19.2460 mg/g | 48.12 mg    | 19246.00 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-250603-033-01 - FRI, JUN 6, 2025

| ANALYTE               | VALUE     | VALUE (MG/G) | PER SERVING | PER PACKAGE | ACTION LIMIT | LOD        | LOQ        | STATUS |
|-----------------------|-----------|--------------|-------------|-------------|--------------|------------|------------|--------|
| 7-Hydroxymitragynine  | 0.00489 % | 0.04894 mg/g | 0.12 mg     | 48.94 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 | 0.00493 % | 0.04926 mg/g | 0.12 mg     | 49.26 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-250603-033-01 - FRI, JUN 6, 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-250603-033-01 - FRI, JUN 6, 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-250603-033-01 - FRI, JUN 6, 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-250603-033-01 - FRI, JUN 6, 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-250603-033-01 - MON, JUN 9, 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-250603-033-01 - THU, JUN 5, 2025

| ANALYTE             | VALUE   | ACTION LIMIT | LOD | LOQ | STATUS |
|---------------------|---------|--------------|-----|-----|--------|
| Quality Index Score | 97.86 % | 95-100 %     | N/A | N/A | PASS   |