

# Certificate of Analysis



**Sample Name:** Part # 10080 - Golden Monk White 500 g Powder  
**Client:** MIT45  
**Sample Code:** DTS-260210-002  
**Matrix Name:** Botanical Powder - Plant  
**Type / Result:** Quality Assurance - Pass



**Received Date:** Wed, Feb 11, 2026  
**Published Date:** Mon, Feb 16, 2026  
**Batch/Lot Code:** 2715W  
**Batch Size:** 1U  
**Sample Size:** 1U  
**Average Unit Weight:** 2.5g (200 servings/package)

## RESULT SUMMARY

Mitragynine	29.19 mg /serv
Total Major Alkaloids	48.41 mg /serv

<b>ALKU</b> ✓ Kratom Alkaloids High Level	<b>ALKL</b> ✓ Kratom Alkaloids Low Level	<b>SAL</b> ✓ Salmonella spp. 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  
Monday, Feb 16, 2026

### RESULTS CERTIFIED BY:

 **Douglas Smith**  
VP - Scientific Operations  
Cambium Analytica  
Monday, Feb 16, 2026

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.

## Lab Information

**Address:** 1230 Woodmere Ave, Traverse City, MI 49686 **Phone:** 231.252.3669 **Accreditation:** ISO/IEC 17025:2017 – #108157



ALKU

**Kratom Alkaloids - High Level**LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD  
ALKU-DTS-260210-002-01 - FRI, FEB 13, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.1674 %	11.6741 mg/g	29.19 mg	5837.03 mg	N/A	0.0005 mg/g	0.001 mg/g	N/A
Speciociliatine	0.3866 %	3.8658 mg/g	9.66 mg	1932.93 mg	N/A	0.0005 mg/g	0.001 mg/g	N/A
Paynantheine	0.2197 %	2.1969 mg/g	5.49 mg	1098.46 mg	N/A	0.0005 mg/g	0.001 mg/g	N/A
Speciogynine	0.1628 %	1.6276 mg/g	4.07 mg	813.81 mg	N/A	0.0005 mg/g	0.001 mg/g	N/A
Total Major Alkaloids*	1.9364 %	19.3644 mg/g	48.41 mg	9682.22 mg	N/A	N/A	N/A	N/A

\*Total Major Alkaloids is calculated as the sum of Mitragynine, Paynantheine, Speciociliatine and Speciogynine.

ALKL

**Kratom Alkaloids - Low Level**LAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TQ  
ALKL-DTS-260210-002-01 - MON, FEB 16, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00052 %	0.00523 mg/g	0.01 mg	2.61 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00000 %	0.00002 mg/g	0.00 mg	0.01 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids*	0.00052 %	0.00525 mg/g	0.01 mg	2.62 mg	N/A	N/A	N/A	N/A

\*Total Minor Alkaloids is calculated as the sum of 7-Hydroxymitragynine and Mitraphylline.

SAL

**Salmonella spp. - qPCR - 25g**LAB-TM-063 - Detection of Presumptive Salmonella spp. in Foods and Dietary Supplements  
SAL-DTS-260210-002-01 - FRI, FEB 13, 2026

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-260210-002-01 - FRI, FEB 13, 2026

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-260210-002-01 - FRI, FEB 13, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Total Aerobic Count	3000 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-260210-002-01 - FRI, FEB 13, 2026

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-260210-002-01 - MON, FEB 16, 2026

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

\*Total Yeast and Mold is calculated as the sum of Total Yeast and Total Mold

FTIRR

**Identification by FTIR - Report**ANA-TM-113 - Identification by FTIR  
FTIRR-DTS-260210-002-01 - FRI, FEB 13, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	98.5 %	95 - 100 %	N/A	N/A	PASS

Golden Monk White Powder

