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

cambium analytica
an NSF company

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

ALKU ✓ Kratom Alkaloids High Level	ALKL ✓ Kratom Alkaloids Low Level	SAL ✓ Salmonella spp. 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, 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