Certificate of Analysis

Sample Name: Part # 10205 - Golden Monk Green 1000G Powder
Client: MIT45
Sample Code: DTS-250916-028
Matrix Name: Botanical Powder - Plant
Type / Result: Quality Assurance - Pass

cambium analytica

Received Date: Wed, Sep 17, 2025
Published Date: Fri, Sep 26, 2025
Batch/Lot Code: 2546G
Batch Size: 1U
Sample Size: 1U
Average Unit Weight: 2.5g (400 servings/package)

RESULT SUMMARY

Mitragynine	24.77 mg /serv
Total Major Alkaloids	41.48 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
Friday, Sep 26, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations
Cambium Analytica
Friday, Sep 26, 2025

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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-250916-028-01 - FRI, SEP 19, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.9908 %	9.9080 mg/g	24.77 mg	9907.95 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.3313 %	3.3135 mg/g	8.28 mg	3313.46 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.2164 %	2.1641 mg/g	5.41 mg	2164.09 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.1207 %	1.2072 mg/g	3.02 mg	1207.22 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids*	1.6593 %	16.5927 mg/g	41.48 mg	16592.72 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-250916-028-01 - FRI, SEP 26, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00205 %	0.02052 mg/g	0.05 mg	20.52 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00001 %	0.00005 mg/g	0.00 mg	0.05 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids*	0.00206 %	0.02057 mg/g	0.05 mg	20.57 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-250916-028-01 - TUE, SEP 23, 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-250916-028-01 - MON, SEP 22, 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-250916-028-01 - FRI, SEP 19, 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-250916-028-01 - FRI, SEP 19, 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-250916-028-01 - MON, SEP 22, 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

**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-250916-028-01 - FRI, SEP 19, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	98.6 %	95 - 100 %	N/A	N/A	PASS

Golden Monk Green Powder