

Certificate of Analysis

Sample Name: Part # 10085 - Golden Monk White 1000CT Capsules
Client: MIT45
Sample Code: DTS-250908-035
Matrix Name: Pill - Capsule
Type / Result: Quality Assurance - Pass



Received Date: Tue, Sep 9, 2025
Published Date: Fri, Sep 12, 2025
Batch/Lot Code: 2534W
Batch Size: 1U
Sample Size: 1U
Average Unit Weight: 0.6351g (One serving is 5 capsules. 200 servings/package.)

RESULT SUMMARY

Mitragynine	27.09 mg /serv
Total Major Alkaloids	47.80 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 12, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations

Cambium Analytica
Friday, Sep 12, 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-250908-035-01 - FRI, SEP 12, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.8532 %	8.5322 mg/g	27.09 mg	5418.77 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	0.3485 %	3.4847 mg/g	11.07 mg	2213.11 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	0.1937 %	1.9370 mg/g	6.15 mg	1230.20 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.1099 %	1.0992 mg/g	3.49 mg	698.11 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids*	1.5053 %	15.0530 mg/g	47.80 mg	9560.19 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-250908-035-01 - FRI, SEP 12, 2025



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00203 %	0.02028 mg/g	0.06 mg	12.88 mg	N/A	0.002 ug/g	0.011 ug/g	N / A
Mitraphylline	ND	N/A	N/A	N/A	N/A	0.004 ug/g	0.019 ug/g	N / A
Total Minor Alkaloids*	0.00203 %	0.02028 mg/g	0.06 mg	12.88 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 and Isolation of Salmonella spp. in Foods and Dietary Supplements

SAL-DTS-250908-035-01 - FRI, SEP 12, 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-250908-035-01 - FRI, SEP 12, 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-250908-035-01 - FRI, SEP 12, 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-250908-035-01 - FRI, SEP 12, 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-250908-035-01 - FRI, SEP 12, 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-250908-035-01 - FRI, SEP 12, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	98.2 %	95 - 100 %	N/A	N/A	PASS

Golden Monk White 250 ct Capsules

