

Certificate of Analysis

Sample Name: Part # 10090 - Golden Monk White 1000 g Powder
Client: MIT45
Sample Code: DTS-250827-002
Matrix Name: Botanical Powder - Plant
Type / Result: Quality Assurance - Pass



Received Date: Thu, Aug 28, 2025
Published Date: Tue, Sep 2, 2025
Batch/Lot Code: 2524W
Batch Size: 1U
Sample Size: 1U
Average Unit Weight: 2.5g (400 servings/package)

RESULT SUMMARY	
Mitragynine	31.10 mg /serv
Total Major Alkaloids	50.61 mg /serv
Total Minor Alkaloids	0.04 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
Tuesday, Sep 2, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific
Operations

Cambium Analytica
Tuesday, Sep 2, 2025

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ALKU

Kratom Alkaloids - High Level

LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD

ALKU-DTS-250827-002-01 - TUE, SEP 2, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.2442 %	12.4416 mg/g	31.10 mg	12441.55 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	0.3673 %	3.6729 mg/g	9.18 mg	3672.87 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	0.2612 %	2.6121 mg/g	6.53 mg	2612.14 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.1519 %	1.5189 mg/g	3.80 mg	1518.94 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids	2.0246 %	20.2455 mg/g	50.61 mg	20245.50 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-250827-002-01 - TUE, SEP 2, 2025



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00148 %	0.01483 mg/g	0.04 mg	14.83 mg	N/A	0.002 ug/g	0.011 ug/g	N / A
Mitraphylline	0.00001 %	0.00010 mg/g	0.00 mg	0.10 mg	N/A	0.004 ug/g	0.019 ug/g	N / A
Total Minor Alkaloids	0.00149 %	0.01494 mg/g	0.04 mg	14.94 mg	N/A	N/A	N/A	N / A

SAL

Salmonella - qPCR - 25g

LAB-TM-063 - Detection and Isolation of Salmonella spp. in Foods and Dietary Supplements

SAL-DTS-250827-002-01 - TUE, SEP 2, 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-250827-002-01 - TUE, SEP 2, 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-250827-002-01 - TUE, SEP 2, 2025



Analyte	Value	Action Limit	LOD	LOQ	Status
Total Aerobic Count	ND	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-250827-002-01 - TUE, SEP 2, 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-250827-002-01 - TUE, SEP 2, 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 ANA-TM-113 - Identification by FTIR FTIRR-DTS-250827-002-01 - FRI, AUG 29, 2025					
Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	98.08 %	95 - 100 %	N/A	N/A	PASS

golden Monk White

