

Certificate of Analysis

Sample Name: Part # 10090 - Golden Monk White 1000 g Powder
Client: MIT45
Sample Code: DTS-250930-008
Matrix Name: Botanical Powder - Plant
Type / Result: Quality Assurance - Pass



Received Date: Wed, Oct 1, 2025
Published Date: Thu, Oct 9, 2025
Batch/Lot Code: 2564W
Batch Size: 1U
Sample Size: 1U
Average Unit Weight: 2.5g (400 servings/pckage.)

RESULT SUMMARY	
Mitragynine	31.27 mg /serv
Total Major Alkaloids	51.57 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:			RESULTS CERTIFIED BY:		
	Leslie Varela Laboratory Director	Cambium Analytica Thursday, Oct 9, 2025		Douglas Smith VP - Scientific Operations	Cambium Analytica Thursday, Oct 9, 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-250930-008-01 - SUN, OCT 5, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.2508 %	12.5075 mg/g	31.27 mg	12507.54 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	0.3721 %	3.7212 mg/g	9.30 mg	3721.20 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	0.2797 %	2.7975 mg/g	6.99 mg	2797.47 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.1603 %	1.6034 mg/g	4.01 mg	1603.35 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids*	2.0630 %	20.6296 mg/g	51.57 mg	20629.56 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-250930-008-01 - SAT, OCT 4, 2025



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00188 %	0.01879 mg/g	0.05 mg	18.79 mg	N/A	0.002 ug/g	0.011 ug/g	N / A
Mitraphylline	0.00002 %	0.00018 mg/g	0.00 mg	0.18 mg	N/A	0.004 ug/g	0.019 ug/g	N / A
Total Minor Alkaloids*	0.00190 %	0.01896 mg/g	0.05 mg	18.96 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-250930-008-01 - TUE, OCT 7, 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-250930-008-01 - FRI, OCT 3, 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-250930-008-01 - FRI, OCT 3, 2025



Analyte	Value	Action Limit	LOD	LOQ	Status
Total Aerobic Count	8000 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-250930-008-01 - FRI, OCT 3, 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-250930-008-01 - WED, OCT 8, 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-250930-008-01 - MON, OCT 6, 2025					
Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	96.6 %	95 - 100 %	N/A	N/A	PASS

Golden Monk White 250 ct Capsules

