

Certificate of Analysis

Sample Name: Part# 10090 - Golden Monk White 1000 g Powder
Client: MIT45
Sample Code: DTS-250723-031
Matrix Name: Botanical Powder - Plant
Type / Result: Quality Assurance - Pass



Received Date: Thu, Jul 24, 2025
Published Date: Tue, Jul 29, 2025
Batch/Lot Code: 2470W
Batch Size: 1U
Sample Size: 1U
Average Unit Weight: 2.5g (400 servings/package.)

RESULT SUMMARY	
Mitragynine	32.19 mg /serv
Total Major Alkaloids	53.75 mg /serv
Total Minor Alkaloids	0.07 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, Jul 29, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations

Cambium Analytica
Tuesday, Jul 29, 2025

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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-250723-031-01 - MON, JUL 28, 2025								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.2874 %	12.8743 mg/g	32.19 mg	12874.33 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	0.3946 %	3.9456 mg/g	9.86 mg	3945.58 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	0.3067 %	3.0673 mg/g	7.67 mg	3067.33 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.1612 %	1.6119 mg/g	4.03 mg	1611.94 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids	2.1499 %	21.4992 mg/g	53.75 mg	21499.18 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-250723-031-01 - TUE, JUL 29, 2025 								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00284 %	0.02836 mg/g	0.07 mg	28.36 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	0.00285 %	0.02846 mg/g	0.07 mg	28.46 mg	N/A	0.006 ug/g	0.03 ug/g	N / A

SAL Salmonella - qPCR - 25g LAB-TM-063 - Detection and Isolation of Salmonella spp. in Foods and Dietary Supplements SAL-DTS-250723-031-01 - TUE, JUL 29, 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-250723-031-01 - MON, JUL 28, 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	1000 CFU/g	1000 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-250723-031-01 - TUE, JUL 29, 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-250723-031-01 - MON, JUL 28, 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-250723-031-01 - MON, JUL 28, 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-250723-031-01 - FRI, JUL 25, 2025					
Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	98.85 %	95 - 100 %	N/A	N/A	PASS

Matched Library Item: Kratom Powder White Part#00031 Lot:05-06223

