

Certificate of Analysis

Sample Name: Part# 10090 - Golden Monk White 1000 g Powder
Client: MIT45
Sample Code: DTS-250724-012
Matrix Name: Botanical Powder - Plant
Type / Result: Quality Assurance - Pass



Received Date: Fri, Jul 25, 2025
Published Date: Thu, Jul 31, 2025
Batch/Lot Code: 2474W
Batch Size: 1U
Sample Size: 1U
Average Unit Weight: 2.5g (400 servings/package.)

RESULT SUMMARY	
Mitragynine	27.68 mg /serv
Total Major Alkaloids	46.71 mg /serv
Total Minor Alkaloids	0.06 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
Thursday, Jul 31, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations

Cambium Analytica
Thursday, Jul 31, 2025

This report may not be reproduced except in full without approval from Cambium Analytica. The results herein relate only to the sample & batch identified in this report.

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-250724-012-01 - MON, JUL 28, 2025								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.1073 %	11.0727 mg/g	27.68 mg	11072.75 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	0.3794 %	3.7943 mg/g	9.49 mg	3794.29 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	0.2476 %	2.4756 mg/g	6.19 mg	2475.65 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.1343 %	1.3425 mg/g	3.36 mg	1342.54 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids	1.8685 %	18.6852 mg/g	46.71 mg	18685.23 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-250724-012-01 - TUE, JUL 29, 2025								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00248 %	0.02475 mg/g	0.06 mg	24.75 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	0.00249 %	0.02485 mg/g	0.06 mg	24.85 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-250724-012-01 - 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-250724-012-01 - TUE, JUL 29, 2025					ISO ISO 17025 ACCREDITED
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-250724-012-01 - TUE, JUL 29, 2025					ISO ISO 17025 ACCREDITED
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-250724-012-01 - TUE, JUL 29, 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-250724-012-01 - WED, JUL 30, 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-250724-012-01 - TUE, JUL 29, 2025					
Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	98.99 %	95 - 100 %	N/A	N/A	PASS

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

