

Certificate of Analysis

Sample Name: Part# 10185 - Golden Monk Green 250 g Powder
Client: MIT45
Sample Code: DTS-250701-029
Matrix Name: Botanical Powder - Plant
Type / Result: Quality Assurance - Pass



Received Date: Wed, Jul 2, 2025
Published Date: Tue, Jul 8, 2025
Batch/Lot Code: 2432G
Batch Size: 1U
Sample Size: 1U
Average Unit Weight: 2.5g (100 servings/package.)

RESULT SUMMARY	
Mitragynine	27.47 mg /serv
Total Major Alkaloids	44.80 mg /serv
Total Minor Alkaloids	0.09 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:			RESULTS CERTIFIED BY:		
	Leslie Varela Laboratory Director	Cambium Analytica Tuesday, Jul 8, 2025		Douglas Smith VP - Scientific Operations	Cambium Analytica Tuesday, Jul 8, 2025
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ALKU Kratom Alkaloids - High Level LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD ALKU-DTS-250701-029-01 - MON, JUL 7, 2025								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.0988 %	10.9880 mg/g	27.47 mg	2747.00 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	0.3252 %	3.2520 mg/g	8.13 mg	813.00 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	0.2344 %	2.3440 mg/g	5.86 mg	586.00 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.1335 %	1.3350 mg/g	3.34 mg	333.75 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids	1.7919 %	17.9190 mg/g	44.80 mg	4479.75 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-250701-029-01 - TUE, JUL 8, 2025								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00327 %	0.03274 mg/g	0.08 mg	8.18 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	0.00342 %	0.03417 mg/g	0.09 mg	8.54 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-250701-029-01 - TUE, JUL 8, 2025						ISO ISO 17025 ACCREDITED		
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-250701-029-01 - MON, JUL 7, 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-250701-029-01 - MON, JUL 7, 2025						ISO ISO 17025 ACCREDITED		
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-250701-029-01 - TUE, JUL 8, 2025						ISO ISO 17025 ACCREDITED		
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-250701-029-01 - MON, JUL 7, 2025 					
Analyte	Value	Action Limit	LOD	LOQ	Status
Total Mold	30 CFU/g	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	30 CFU/g	1000 CFU/g	10 CFU/g	10 CFU/g	PASS

FTIRR Identification by FTIR - Report null Identification by FTIR FTIRR-DTS-250701-029-01 - THU, JUL 3, 2025					
Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	99.73 %	95 - 100 %	N/A	N/A	PASS

Matched Library Item: Golden MonkGreen 500 g Powder

