

Certificate of Analysis

Sample Name: Part # 10185 - Golden Monk Green 250G Powder
Client: MIT45
Sample Code: DTS-250716-047
Matrix Name: Botanical Powder - Plant
Type / Result: Quality Assurance - Pass



Received Date: Thu, Jul 17, 2025
Published Date: Mon, Jul 28, 2025
Batch/Lot Code: 2457G
Batch Size: 1U
Sample Size: 1U
Average Unit Weight: 2.5g (100 servings/package.)

RESULT SUMMARY	
Mitragynine	25.95 mg /serv
Total Major Alkaloids	44.20 mg /serv
Total Minor Alkaloids	0.10 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
Monday, Jul 28, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations

Cambium Analytica
Monday, Jul 28, 2025

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ALKU Kratom Alkaloids - High Level LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD ALKU-DTS-250716-047-01 - TUE, JUL 22, 2025								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.0381 %	10.3810 mg/g	25.95 mg	2595.25 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	0.3598 %	3.5980 mg/g	9.00 mg	899.50 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	0.2430 %	2.4300 mg/g	6.07 mg	607.50 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.1270 %	1.2700 mg/g	3.18 mg	317.50 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids	1.7679 %	17.6790 mg/g	44.20 mg	4419.75 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-250716-047-01 - TUE, JUL 22, 2025 ISO ISO 17025 ACCREDITED								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00404 %	0.04042 mg/g	0.10 mg	10.10 mg	N/A	0.002 ug/g	0.011 ug/g	N / A
Mitraphylline	0.00001 %	0.00013 mg/g	0.00 mg	0.03 mg	N/A	0.004 ug/g	0.019 ug/g	N / A
Total Minor Alkaloids	0.00405 %	0.04055 mg/g	0.10 mg	10.14 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-250716-047-01 - SUN, JUL 27, 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-250716-047-01 - MON, JUL 21, 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-250716-047-01 - MON, JUL 21, 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-250716-047-01 - MON, JUL 21, 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-250716-047-01 - MON, JUL 21, 2025 					
Analyte	Value	Action Limit	LOD	LOQ	Status
Total Mold	ND	N/A	10 CFU/g	10 CFU/g	N / A
Total Yeast	50 CFU/g	N/A	10 CFU/g	10 CFU/g	N / A
Total Yeast and Mold	50 CFU/g	1000 CFU/g	10 CFU/g	10 CFU/g	PASS

FTIRR Identification by FTIR - Report ANA-TM-113 - Identification by FTIR FTIRR-DTS-250716-047-01 - MON, JUL 21, 2025					
Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	99.32 %	95 - 100 %	N/A	N/A	PASS

Matched Library Item: Golden Monk Green 500g Powder

