

Certificate of Analysis

Sample Name: Part # 10205 - Golden Monk Green 1000G Powder
Client: MIT45
Sample Code: DTS-250819-037
Matrix Name: Botanical Powder - Plant
Type / Result: Quality Assurance - Pass



Received Date: Wed, Aug 20, 2025
Published Date: Mon, Aug 25, 2025
Batch/Lot Code: 2513G
Batch Size: 1U
Sample Size: 1U
Average Unit Weight: 2.5g (400 servings/package.)

RESULT SUMMARY	
Mitragynine	27.27 mg /serv
Total Major Alkaloids	47.30 mg /serv
Total Minor Alkaloids	0.16 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 Monday, Aug 25, 2025		Douglas Smith VP - Scientific Operations	Cambium Analytica Monday, Aug 25, 2025
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ALKU Kratom Alkaloids - High Level LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD ALKU-DTS-250819-037-01 - MON, AUG 25, 2025								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.0907 %	10.9075 mg/g	27.27 mg	10907.45 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	0.4304 %	4.3042 mg/g	10.76 mg	4304.16 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	0.2381 %	2.3809 mg/g	5.95 mg	2380.87 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.1329 %	1.3292 mg/g	3.32 mg	1329.20 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids	1.8922 %	18.9217 mg/g	47.30 mg	18921.68 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-250819-037-01 - MON, AUG 25, 2025 ISO ISO 17025 ACC0108167								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00653 %	0.06534 mg/g	0.16 mg	65.34 mg	N/A	0.002 ug/g	0.011 ug/g	N / A
Mitraphylline	0.00002 %	0.00020 mg/g	0.00 mg	0.20 mg	N/A	0.004 ug/g	0.019 ug/g	N / A
Total Minor Alkaloids	0.00655 %	0.06554 mg/g	0.16 mg	65.54 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-250819-037-01 - MON, AUG 25, 2025 ISO ISO 17025 ACC0108167								
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-250819-037-01 - FRI, AUG 22, 2025 ISO ISO 17025 ACC0108167								
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-250819-037-01 - FRI, AUG 22, 2025 ISO ISO 17025 ACC0108167								
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-250819-037-01 - FRI, AUG 22, 2025 ISO ISO 17025 ACC0108167								
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-250819-037-01 - MON, AUG 25, 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-250819-037-01 - THU, AUG 21, 2025					
Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	99.52 %	95 - 100 %	N/A	N/A	PASS

Matched Library Item: Golden Monk Green 500g Powder

