

Certificate of Analysis

Sample Name: Part # 10195 - Golden Monk Green 500 g Powder
Client: MIT45
Sample Code: DTS-250805-022
Matrix Name: Botanical Powder - Plant
Type / Result: Quality Assurance - Pass



Received Date: Wed, Aug 6, 2025
Published Date: Mon, Aug 11, 2025
Batch/Lot Code: 2487G
Batch Size: 1U
Sample Size: 1U
Average Unit Weight: 2.5g (200 servings/package.)

RESULT SUMMARY	
Mitragynine	26.72 mg /serv
Total Major Alkaloids	43.47 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 11, 2025		Douglas Smith VP - Scientific Operations	Cambium Analytica Monday, Aug 11, 2025
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ALKU Kratom Alkaloids - High Level LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD ALKU-DTS-250805-022-01 - MON, AUG 11, 2025								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.0686 %	10.6865 mg/g	26.72 mg	5343.24 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	0.3137 %	3.1370 mg/g	7.84 mg	1568.50 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	0.2254 %	2.2538 mg/g	5.63 mg	1126.92 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.1312 %	1.3117 mg/g	3.28 mg	655.86 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids	1.7389 %	17.3890 mg/g	43.47 mg	8694.52 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-250805-022-01 - MON, AUG 11, 2025								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00641 %	0.06414 mg/g	0.16 mg	32.07 mg	N/A	0.002 ug/g	0.011 ug/g	N / A
Mitraphylline	0.00013 %	0.00131 mg/g	0.00 mg	0.66 mg	N/A	0.004 ug/g	0.019 ug/g	N / A
Total Minor Alkaloids	0.00655 %	0.06545 mg/g	0.16 mg	32.73 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-250805-022-01 - MON, AUG 11, 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-250805-022-01 - MON, AUG 11, 2025

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-250805-022-01 - MON, AUG 11, 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-250805-022-01 - MON, AUG 11, 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-250805-022-01 - MON, AUG 11, 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-250805-022-01 - FRI, AUG 8, 2025					
Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	98.48 %	95 - 100 %	N/A	N/A	PASS

Matched Library Item: Golden Monk Green 500g Powder

