

Certificate of Analysis

Sample Name: Part # 10195 - Golden Monk Green 500G Powder
Client: MIT45
Sample Code: DTS-250717-003
Matrix Name: Botanical Powder - Plant
Type / Result: Quality Assurance - Pass



Received Date: Mon, Jul 21, 2025
Published Date: Mon, Jul 28, 2025
Batch/Lot Code: 2463G
Batch Size: 1U
Sample Size: 1U
Average Unit Weight: 2.5g (200 servings/package.)

RESULT SUMMARY	
Mitragynine	30.74 mg /serv
Total Major Alkaloids	51.5 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, Jul 28, 2025		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-250717-003-01 - WED, JUL 23, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.2294 %	12.2940 mg/g	30.74 mg	6147.00 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	0.3829 %	3.8290 mg/g	9.57 mg	1914.50 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	0.2934 %	2.9340 mg/g	7.34 mg	1467.00 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.1543 %	1.5430 mg/g	3.86 mg	771.50 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids	2.0600 %	20.6000 mg/g	51.5 mg	10300.0 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-250717-003-01 - THU, JUL 24, 2025



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00632 %	0.06319 mg/g	0.16 mg	31.59 mg	N/A	0.002 ug/g	0.011 ug/g	N / A
Mitraphylline	0.00001 %	0.00011 mg/g	0.00 mg	0.05 mg	N/A	0.004 ug/g	0.019 ug/g	N / A
Total Minor Alkaloids	0.00633 %	0.06329 mg/g	0.16 mg	31.65 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-250717-003-01 - FRI, JUL 25, 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-250717-003-01 - WED, JUL 23, 2025



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-250717-003-01 - WED, JUL 23, 2025



Analyte	Value	Action Limit	LOD	LOQ	Status
Total Aerobic Count	2000 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-250717-003-01 - WED, JUL 23, 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-250717-003-01 - THU, JUL 24, 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-250717-003-01 - TUE, JUL 22, 2025					
Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	99.79 %	95 - 100 %	N/A	N/A	PASS

Matched Library Item: Golden MonkGreen 500g Powder

