

Certificate of Analysis

Sample Name: Part# 10120 - Golden Monk Red 1000 g Powder
Client: MIT45
Sample Code: DTS-250722-007
Matrix Name: Botanical Powder - Plant
Type / Result: Quality Assurance - Pass



Received Date: Wed, Jul 23, 2025
Published Date: Fri, Aug 1, 2025
Batch/Lot Code: 2468R
Batch Size: 1U
Sample Size: 1U
Average Unit Weight: 2.5g (400 servings/package)

RESULT SUMMARY	
Mitragynine	28.86 mg /serv
Total Major Alkaloids	48.09 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 Friday, Aug 1, 2025		Douglas Smith VP - Scientific Operations	Cambium Analytica Friday, Aug 1, 2025
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ALKU Kratom Alkaloids - High Level LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD ALKU-DTS-250722-007-01 - MON, JUL 28, 2025								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.1543 %	11.5433 mg/g	28.86 mg	11543.33 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	0.3627 %	3.6268 mg/g	9.07 mg	3626.79 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	0.2595 %	2.5947 mg/g	6.49 mg	2594.69 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.1471 %	1.4710 mg/g	3.68 mg	1470.95 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids	1.9236 %	19.2358 mg/g	48.09 mg	19235.76 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-250722-007-01 - MON, JUL 28, 2025 ISO ISO 17025 ACC0108187								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00621 %	0.06213 mg/g	0.16 mg	62.13 mg	N/A	0.002 ug/g	0.011 ug/g	N / A
Mitraphylline	0.00001 %	0.00011 mg/g	0.00 mg	0.11 mg	N/A	0.004 ug/g	0.019 ug/g	N / A
Total Minor Alkaloids	0.00622 %	0.06225 mg/g	0.16 mg	62.25 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-250722-007-01 - FRI, JUL 25, 2025 ISO ISO 17025 ACC0108187								
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-250722-007-01 - FRI, JUL 25, 2025 ISO ISO 17025 ACC0108187								
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-250722-007-01 - FRI, JUL 25, 2025 ISO ISO 17025 ACC0108187								
Analyte	Value	Action Limit	LOD	LOQ	Status			
Total Aerobic Count	5000 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-250722-007-01 - FRI, JUL 25, 2025 ISO ISO 17025 ACC0108187								
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-250722-007-02 - FRI, AUG 1, 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 ANA-TM-113 - Identification by FTIR FTIRR-DTS-250722-007-01 - THU, JUL 24, 2025					
Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	99.92 %	95 - 100 %	N/A	N/A	PASS

Matched Library Item: Part# 10100 Golden Monk Red 500g Powder

