

Certificate of Analysis

Sample Name: Part # 10120 - Golden Monk Red 1000 g Powder
Client: MIT45
Sample Code: DTS-250918-006
Matrix Name: Botanical Powder - Plant
Type / Result: Quality Assurance - Pass



Received Date: Fri, Sep 19, 2025
Published Date: Fri, Sep 26, 2025
Batch/Lot Code: 2551R
Batch Size: 1U
Sample Size: 1U
Average Unit Weight: 2.5g (400 servings/package)

RESULT SUMMARY	
Mitragynine	31.02 mg /serv
Total Major Alkaloids	52.55 mg /serv

ALKU Kratom Alkaloids High Level	ALKL Kratom Alkaloids Low Level	SAL Salmonella spp. 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, Sep 26, 2025		Douglas Smith VP - Scientific Operations	Cambium Analytica Friday, Sep 26, 2025
This report may not be reproduced except in full without approval from Cambium Analytica. The results herein relate only to the sample & batch identified in this report.					

Lab Information		
Address: 1230 Woodmere Ave, Traverse City, MI 49686	Phone: 231.252.3669	Accreditation: ISO/IEC 17025:2017 – #108157



ALKU Kratom Alkaloids - High Level LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD ALKU-DTS-250918-006-01 - WED, SEP 24, 2025								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.2408 %	12.4077 mg/g	31.02 mg	12407.68 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	0.4293 %	4.2928 mg/g	10.73 mg	4292.75 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	0.2762 %	2.7625 mg/g	6.91 mg	2762.46 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.1556 %	1.5562 mg/g	3.89 mg	1556.24 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids*	2.1019 %	21.0191 mg/g	52.55 mg	21019.13 mg	N/A	N/A	N/A	N / A

*Total Major Alkaloids is calculated as the sum of Mitragynine, Paynantheine, Speciociliatine and Speciogynine.

ALKL Kratom Alkaloids - Low Level LAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TQ ALKL-DTS-250918-006-01 - FRI, SEP 26, 2025								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00092 %	0.00918 mg/g	0.02 mg	9.18 mg	N/A	0.002 ug/g	0.011 ug/g	N / A
Mitraphylline	ND	N/A	N/A	N/A	N/A	0.004 ug/g	0.019 ug/g	N / A
Total Minor Alkaloids*	0.00092 %	0.00918 mg/g	0.02 mg	9.18 mg	N/A	N/A	N/A	N / A

*Total Minor Alkaloids is calculated as the sum of 7-Hydroxymitragynine and Mitraphylline.

SAL Salmonella spp. - qPCR 25g LAB-TM-063 - Detection of Presumptive Salmonella spp. in Foods and Dietary Supplements SAL-DTS-250918-006-01 - WED, SEP 24, 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-250918-006-01 - TUE, SEP 23, 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-250918-006-01 - TUE, SEP 23, 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-250918-006-01 - TUE, SEP 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-250918-006-01 - WED, SEP 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

*Total Yeast and Mold is calculated as the sum of Total Yeast and Total Mold

FTIRR Identification by FTIR - Report ANA-TM-113 - Identification by FTIR FTIRR-DTS-250918-006-01 - MON, SEP 22, 2025					
Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	99.6 %	95 - 100 %	N/A	N/A	PASS

Part # 10110 Golden Monk Red 500g Powder

