

Certificate of Analysis

Sample Name: Part # 10100 - Golden Monk Red 250 g Powder
Client: MIT45
Sample Code: DTS-251015-001
Matrix Name: Botanical Powder - Plant
Type / Result: Quality Assurance - Pass



Received Date: Thu, Oct 16, 2025
Published Date: Tue, Oct 21, 2025
Batch/Lot Code: 2587R
Batch Size: 1U
Sample Size: 1U
Average Unit Weight: 2.5g (100 servings/package)

RESULT SUMMARY	
Mitragynine	28.05 mg /serv
Total Major Alkaloids	46.73 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 Tuesday, Oct 21, 2025		Douglas Smith VP - Scientific Operations	Cambium Analytica Tuesday, Oct 21, 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-251015-001-01 - MON, OCT 20, 2025								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.1221 %	11.2209 mg/g	28.05 mg	2805.23 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	0.3719 %	3.7187 mg/g	9.30 mg	929.67 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	0.2363 %	2.3631 mg/g	5.91 mg	590.76 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.1390 %	1.3896 mg/g	3.47 mg	347.41 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids*	1.8692 %	18.6923 mg/g	46.73 mg	4673.08 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-251015-001-01 - TUE, OCT 21, 2025								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00347 %	0.03467 mg/g	0.09 mg	8.67 mg	N/A	0.002 ug/g	0.011 ug/g	N / A
Mitraphylline	0.00002 %	0.00020 mg/g	0.00 mg	0.05 mg	N/A	0.004 ug/g	0.019 ug/g	N / A
Total Minor Alkaloids*	0.00349 %	0.03486 mg/g	0.09 mg	8.72 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-251015-001-01 - MON, OCT 20, 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-251015-001-01 - SAT, OCT 18, 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-251015-001-01 - SAT, OCT 18, 2025								
Analyte	Value	Action Limit	LOD	LOQ	Status			
Total Aerobic Count	1000 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-251015-001-01 - SAT, OCT 18, 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-251015-001-01 - MON, OCT 20, 2025 					
Analyte	Value	Action Limit	LOD	LOQ	Status
Total Mold	10 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*	10 CFU/g	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-251015-001-01 - MON, OCT 20, 2025					
Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	99.5 %	95 - 100 %	N/A	N/A	PASS

Golden Monk Red

