

Certificate of Analysis

Sample Name: Part # 10120 - Golden Monk Red 1000 g Powder
Client: MIT45
Sample Code: DTS-251217-056
Matrix Name: Botanical Powder - Plant
Type / Result: Quality Assurance - Pass



Received Date: Thu, Dec 18, 2025
Published Date: Mon, Dec 22, 2025
Batch/Lot Code: 2678R
Batch Size: 1U
Sample Size: 1U
Average Unit Weight: 2.5g (400 servings/package.)

RESULT SUMMARY	
Mitragynine	27.72 mg /serv
Total Major Alkaloids	47.60 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 Monday, Dec 22, 2025		Douglas Smith VP - Scientific Operations	Cambium Analytica Monday, Dec 22, 2025
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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-251217-056-01 - MON, DEC 22, 2025								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.1089 %	11.0892 mg/g	27.72 mg	11089.25 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	0.3548 %	3.5485 mg/g	8.87 mg	3548.50 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	0.2849 %	2.8493 mg/g	7.12 mg	2849.27 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.1555 %	1.5547 mg/g	3.89 mg	1554.69 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids*	1.9042 %	19.0417 mg/g	47.60 mg	19041.71 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-251217-056-01 - MON, DEC 22, 2025								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00262 %	0.02616 mg/g	0.07 mg	26.16 mg	N/A	0.002 ug/g	0.011 ug/g	N / A
Mitraphylline	0.00001 %	0.00013 mg/g	0.00 mg	0.13 mg	N/A	0.004 ug/g	0.019 ug/g	N / A
Total Minor Alkaloids*	0.00263 %	0.02629 mg/g	0.07 mg	26.29 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-251217-056-01 - MON, DEC 22, 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-251217-056-01 - MON, DEC 22, 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-251217-056-01 - MON, DEC 22, 2025								
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-251217-056-01 - MON, DEC 22, 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-251217-056-01 - MON, DEC 22, 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

*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-251217-056-01 - MON, DEC 22, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	99.7 %	95 - 100 %	N/A	N/A	PASS

Golden Monk Red 500g Powder

