

Certificate of Analysis

Sample Name: Part # 10115 - Golden Monk Red Capsules (1000CT)
Client: MIT45
Sample Code: DTS-250811-025
Matrix Name: Pill - Capsule
Type / Result: Quality Assurance - Pass



Received Date: Tue, Aug 12, 2025
Published Date: Fri, Aug 15, 2025
Batch/Lot Code: 2496R
Batch Size: 1U
Sample Size: 1U
Average Unit Weight: 0.6181g (One serving is 5 capsules. 200 servings/package.)

RESULT SUMMARY	
Mitragynine	30.13 mg /serv
Total Major Alkaloids	50.02 mg /serv
Total Minor Alkaloids	0.14 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 15, 2025		Douglas Smith VP - Scientific Operations	Cambium Analytica Friday, Aug 15, 2025
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ALKU

Kratom Alkaloids - High Level

LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD

ALKU-DTS-250811-025-01 - THU, AUG 14, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.9749 %	9.7491 mg/g	30.13 mg	6025.93 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	0.3136 %	3.1356 mg/g	9.69 mg	1938.14 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	0.2074 %	2.0735 mg/g	6.41 mg	1281.63 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.1227 %	1.2268 mg/g	3.79 mg	758.32 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids	1.6185 %	16.1851 mg/g	50.02 mg	10004.02 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-250811-025-01 - THU, AUG 14, 2025



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00467 %	0.04670 mg/g	0.14 mg	28.86 mg	N/A	0.002 ug/g	0.011 ug/g	N / A
Mitraphylline	0.00000 %	0.00002 mg/g	0.00 mg	0.01 mg	N/A	0.004 ug/g	0.019 ug/g	N / A
Total Minor Alkaloids	0.00467 %	0.04672 mg/g	0.14 mg	28.88 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-250811-025-01 - THU, AUG 14, 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-250811-025-01 - THU, AUG 14, 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-250811-025-01 - THU, AUG 14, 2025



Analyte	Value	Action Limit	LOD	LOQ	Status
Total Aerobic Count	4000 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-250811-025-01 - THU, AUG 14, 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-250811-025-01 - FRI, AUG 15, 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-250811-025-01 - WED, AUG 13, 2025					
Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	99.41 %	95 - 100 %	N/A	N/A	PASS

Matched Library Item: Part # 10115 - Golden Monk Red Capsules 1000 ct

