

Certificate of Analysis

Sample Name: Part # 10105 - Golden Monk Red 500 ct Capsules
Client: MIT45
Sample Code: DTS-250623-018
Matrix Name: Pill - Capsule
Type / Result: Quality Assurance - Pass



Received Date: Wed, Jun 25, 2025
Published Date: Mon, Jun 30, 2025
Batch/Lot Code: 2405R
Batch Size: 1U
Sample Size: 1U
Average Unit Weight: 0.5949g (One serving is 5 capsules. 100 servings/package.)

RESULT SUMMARY	
Mitragynine	27.01 mg /serv
Total Major Alkaloids	45.87 mg /serv
Total Minor Alkaloids	0.09 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 Monday, Jun 30, 2025		Douglas Smith VP - Scientific Operations	Cambium Analytica Monday, Jun 30, 2025
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ALKU	Kratom Alkaloids - High Level								
	LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD								
	ALKU-DTS-250623-018-03 - THU, JUN 26, 2025								
	Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
	Mitragynine	0.9079 %	9.0790 mg/g	27.01 mg	2700.55 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
	Speciociliatine	0.3157 %	3.1570 mg/g	9.39 mg	939.05 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
	Paynantheine	0.2083 %	2.0830 mg/g	6.20 mg	619.59 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.1102 %	1.1020 mg/g	3.28 mg	327.79 mg	N/A	0.3 ug/g	0.5 ug/g	N / A	
Total Major Alkaloids	1.5421 %	15.4210 mg/g	45.87 mg	4586.98 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-250623-018-01 - FRI, JUN 27, 2025								
	Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
	7-Hydroxymitragynine	0.00259 %	0.02592 mg/g	0.08 mg	7.71 mg	N/A	0.002 ug/g	0.011 ug/g	N / A
	Mitraphylline	0.00001 %	0.00007 mg/g	0.00 mg	0.02 mg	N/A	0.004 ug/g	0.019 ug/g	N / A
	Total Minor Alkaloids	0.00297 %	0.02971 mg/g	0.09 mg	8.84 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-250623-018-01 - FRI, JUN 27, 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-250623-018-01 - FRI, JUN 27, 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-250623-018-01 - FRI, JUN 27, 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-250623-018-01 - FRI, JUN 27, 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-250623-018-01 - MON, JUN 30, 2025 					
Analyte	Value	Action Limit	LOD	LOQ	Status
Total Mold	70 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	70 CFU/g	1000 CFU/g	10 CFU/g	10 CFU/g	PASS

FTIRR Identification by FTIR - Report null Identification by FTIR FTIRR-DTS-250623-018-01 - FRI, JUN 27, 2025					
Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	99.71 %	95-100 %	N/A	N/A	PASS

Matched Library Item: Part# 10110 Golden Monk Red 500 g Powder

