

Certificate of Analysis

Sample Name: Part # 10115 - Golden Monk Red (1000CT) Capsules
Client: MIT45
Sample Code: DTS-250630-037
Matrix Name: Pill - Capsule
Type / Result: Quality Assurance - Pass



Received Date: Tue, Jul 1, 2025
Published Date: Mon, Jul 7, 2025
Batch/Lot Code: 2428R
Batch Size: 1U
Sample Size: 1U
Average Unit Weight: 0.5955g (One serving is 5 capsules. 200 servings/package)

RESULT SUMMARY	
Mitragynine	27.05 mg /serv
Total Major Alkaloids	45.58 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:

Leslie Varela
Laboratory Director

Cambium Analytica
Monday, Jul 7, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations

Cambium Analytica
Monday, Jul 7, 2025

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ALKU

Kratom Alkaloids - High Level

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

ALKU-DTS-250630-037-01 - WED, JUL 2, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.9085 %	9.0850 mg/g	27.05 mg	5410.12 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	0.3176 %	3.1760 mg/g	9.46 mg	1891.31 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	0.2072 %	2.0720 mg/g	6.17 mg	1233.88 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.0976 %	0.9760 mg/g	2.91 mg	581.21 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids	1.5309 %	15.3090 mg/g	45.58 mg	9116.51 mg	N/A			N / A

ALKL

Kratom Alkaloids - Low Level

LAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TQ

ALKL-DTS-250630-037-01 - THU, JUL 3, 2025



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00430 %	0.04300 mg/g	0.13 mg	25.61 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	0.00470 %	0.04700 mg/g	0.14 mg	27.99 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-250630-037-01 - THU, JUL 3, 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-250630-037-01 - THU, JUL 3, 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-250630-037-01 - THU, JUL 3, 2025



Analyte	Value	Action Limit	LOD	LOQ	Status
Total Aerobic Count	12000 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-250630-037-01 - THU, JUL 3, 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-250630-037-01 - SUN, JUL 6, 2025 					
Analyte	Value	Action Limit	LOD	LOQ	Status
Total Mold	20 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	20 CFU/g	1000 CFU/g	10 CFU/g	10 CFU/g	PASS

FTIRR Identification by FTIR - Report null Identification by FTIR FTIRR-DTS-250630-037-01 - WED, JUL 2, 2025					
Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	99.62 %	95 - 100 %			PASS

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

