

Certificate of Analysis

Sample Name: Part # 10095 - Golden Monk Red (250CT) Capsules
Client: MIT45
Sample Code: DTS-250714-035
Matrix Name: Pill - Capsule
Type / Result: Quality Assurance - Pass



Received Date: Tue, Jul 15, 2025
Published Date: Fri, Jul 18, 2025
Batch/Lot Code: 2453R
Batch Size: 1 U
Sample Size: 1 U
Average Unit Weight: 0.609 g (One serving is 5 capsules. 50 servings/package.)

RESULT SUMMARY	
Total Major Alkaloids	53.46 mg/serv
Mitragynine	32.32 mg/serv
Total Minor Alkaloids	0.03 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
Fri, Jul 18, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific
Operations

Cambium Analytica
Fri, Jul 18, 2025

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ALKU

Kratom Alkaloids - High Level

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

ALKU-DTS-250714-035-01 - FRI, JUL 18, 2025

Analyte	Value	Value (mg)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.062 %	10.62 mg/g	32.32 mg	1616.1 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	0.3244 %	3.244 mg/g	9.87 mg	493.66 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	0.2391 %	2.391 mg/g	7.28 mg	363.85 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.1311 %	1.311 mg/g	3.99 mg	199.5 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids	1.7566 %	17.566 mg/g	53.46 mg	2673.11 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-250714-035-01 - FRI, JUL 18, 2025



Analyte	Value	Value (mg)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00099 %	0.00993 mg/g	0.03 mg	1.51 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	0.00099 %	0.00993 mg/g	0.03 mg	1.51 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-250714-035-01 - THU, JUL 17, 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-250714-035-01 - THU, JUL 17, 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-250714-035-01 - THU, JUL 17, 2025



Analyte	Value	Action Limit	LOD	LOQ	Status
Total Aerobic Count	3000 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-250714-035-01 - THU, JUL 17, 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-250714-035-01 - FRI, JUL 18, 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
NA - Identification by FTIR
FTIRR-DTS-250714-035-01 - WED, JUL 16, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	99.57 %	95 - 100 %	N/A	N/A	Pass

Matched Library Item: Golden Monk Red 500 ct Capsule