Certificate of Analysis

Sample Name: Part # 10105 - Golden Monk Red (500CT) Capsules
Client: MIT45
Sample Code: DTS-250714-038
Matrix Name: Pill - Capsule
Type / Result: Quality Assurance - Pass

cambium analytica

Received Date: Tue, Jul 15, 2025
Published Date: Fri, Jul 18, 2025
Batch/Lot Code: 2456R
Batch Size: 1U
Sample Size: 1U
Average Unit Weight: 0.6117g (One serving is 5 capsules. 100 servings/package.)

RESULT SUMMARY

Mitragynine	30.71 mg /serv
Total Major Alkaloids	51.37 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
Friday, Jul 18, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations
Cambium Analytica
Friday, Jul 18, 2025

ALKU

Kratom Alkaloids - High Level

LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD
ALKU-DTS-250714-038-01 - FRI, JUL 18, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.0041 %	10.0410 mg/g	30.71 mg	3071.04 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.3301 %	3.3010 mg/g	10.10 mg	1009.61 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.2231 %	2.2310 mg/g	6.82 mg	682.35 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.1224 %	1.2240 mg/g	3.74 mg	374.36 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	1.6797 %	16.7970 mg/g	51.37 mg	5137.36 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-250714-038-01 - FRI, JUL 18, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00098 %	0.00983 mg/g	0.03 mg	3.01 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	0.00098 %	0.00983 mg/g	0.03 mg	3.01 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-250714-038-01 - 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-250714-038-01 - 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-250714-038-01 - THU, JUL 17, 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-250714-038-01 - 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-250714-038-01 - 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

null Identification by FTIR

FTIRR-DTS-250714-038-01 - WED, JUL 16, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	99.30 %	95 - 100 %	N/A	N/A	PASS

Matched Library Item: Part # 10105 Golden Monk Red 500 ct Capsules