Certificate of Analysis

Sample Name: Part # 10115 - Golden Monk Red 1000CT Capsules
Client: MIT45
Sample Code: DTS-250902-047
Matrix Name: Pill - Capsule
Type / Result: Quality Assurance - Pass

cambium analytica

Received Date: Thu, Sep 4, 2025
Published Date: Tue, Sep 9, 2025
Batch/Lot Code: 2529R
Batch Size: 1U
Sample Size: 1U
Average Unit Weight: 0.6348g (One serving is 5 capsules. 200 servings/package.)

RESULT SUMMARY

Mitragynine	30.50 mg /serv
Total Major Alkaloids	49.94 mg /serv
Total Minor Alkaloids	0.03 mg /serv
Total Yeast and Mold	20 CFU/g

ALKU ✓ Kratom Alkaloids High Level	ALKL ✓ Kratom Alkaloids Low Level	SAL ✓ Salmonella spp. 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
Tuesday, Sep 9, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations
Cambium Analytica
Tuesday, Sep 9, 2025

This report may not be reproduced except in full without approval from Cambium Analytica. The results herein relate only to the sample & batch identified in this report.

Lab Information

Address: 1230 Woodmere Ave, Traverse City, MI 49686 **Phone:** 231.252.3669 **Accreditation:** ISO/IEC 17025:2017 – #108157

ALKU

Kratom Alkaloids - High Level

LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD
ALKU-DTS-250902-047-01 - TUE, SEP 9, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.9611 %	9.6108 mg/g	30.50 mg	6100.96 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.2794 %	2.7939 mg/g	8.87 mg	1773.55 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.2116 %	2.1159 mg/g	6.72 mg	1343.15 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.1212 %	1.2120 mg/g	3.85 mg	769.39 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids*	1.5733 %	15.7326 mg/g	49.94 mg	9987.05 mg	N/A	N/A	N/A	N/A

Total Major Alkaloids is calculated as the sum of Mitragynine, Paynantheine, Speciociliatine and Speciogynine.

ALKL

Kratom Alkaloids - Low Level

LAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TQ
ALKL-DTS-250902-047-01 - TUE, SEP 9, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00106 %	0.01063 mg/g	0.03 mg	6.75 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*	0.00106 %	0.01063 mg/g	0.03 mg	6.75 mg	N/A	N/A	N/A	N/A

Total Minor Alkaloids is calculated as the sum of 7-Hydroxymitragynine and Mitraphylline.

SAL

Salmonella spp. - qPCR - 25g

LAB-TM-063 - Detection and Isolation of Salmonella spp. in Foods and Dietary Supplements
SAL-DTS-250902-047-01 - TUE, SEP 9, 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-250902-047-01 - MON, SEP 8, 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-250902-047-01 - MON, SEP 8, 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-250902-047-01 - MON, SEP 8, 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-250902-047-01 - MON, SEP 8, 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

**Total Yeast and Mold is calculated as the sum of Total Yeast and Total Mold*

FTIRR

Identification by FTIR - Report

ANA-TM-113 - Identification by FTIR
FTIRR-DTS-250902-047-01 - FRI, SEP 5, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	99.5 %	95 - 100 %	N/A	N/A	PASS

Part # 10115 - Golden Monk Red Capsules 1000ct