

CERTIFICATE OF ANALYSIS



SAMPLE NAME: PART # 10105 - GOLDEN MONK RED 500 CT CAPSULES
SAMPLE CODE: DTS-250313-010
CLIENT: MIT45
BATCH RESULT: PASS

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MATRIX NAME: Pill - Capsule
SAMPLE TYPE: Quality Assurance
RECEIVED DATE: Fri, Mar 14, 2025
PUBLISHED DATE: Wed, Mar 19, 2025
BATCH/LOT CODE: 2241R
BATCH SIZE: 1 U
SAMPLE SIZE: 1 U
AVERAGE UNIT WEIGHT: 0.668 g (One serving is 5 capsules. 500 servings/package.)

TOTAL MAJOR ALKALOIDS 57.97 mg/ serv

MITRAGYNINE 36.26 mg/ serv

TOTAL MINOR ALKALOIDS 0.07 mg/ serv

ALKU ✓
Kratom Alkaloids
High Level

ALKL ✓
Kratom Alkaloids
Low Level

SAL ✓
Salmonella
25g qPCR

ECOLI ✓
Total E. Coli & Coliforms
Plate

TAMC ✓
Total Aerobic Bacteria
Plate

SAUR ✓
Staphylococcus aureus
Plate

TYMFD ✓
Total Yeast & Mold
Plate

FTIRR ✓
Identification by FTIR
Report

FTIRA ✓
Identification by FTIR
Library Reference

APPROVALS

RESULTS REVIEWED BY:

Leslie Varela
Laboratory Director

Cambium Analytica
Wed, Mar 19, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations

Cambium Analytica
Wed, Mar 19, 2025

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ALKU KRATOM ALKALOIDS - HIGH LEVEL LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD ALKU-DTS-250313-010-01 - FRI, MAR 21, 2025								
ANALYTE	VALUE	VALUE (MG)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	1.0863 %	10.863 mg/g	36.26 mg	18130.89 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.28 %	2.8 mg/g	9.35 mg	4673.34 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.2324 %	2.324 mg/g	7.76 mg	3878.87 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.138 %	1.38 mg/g	4.61 mg	2303.29 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	1.7367 %	17.367 mg/g	57.97 mg	28986.39 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-250313-010-01 - MON, MAR 24, 2025 								
ANALYTE	VALUE	VALUE (MG)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.00204 %	0.02041 mg/g	0.07 mg	34.07 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00001 %	0.00015 mg/g	0 mg	0.25 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.00206 %	0.02056 mg/g	0.07 mg	34.31 mg	N/A	0.006 ug/g	0.03 ug/g	N/A

SAL SALMONELLA - 25G QPCR LAB-TM-063 - DETECTION AND ISOLATION OF SALMONELLA SPP. IN FOODS AND DIETARY SUPPLEMENTS SAL-DTS-250313-010-01 - THU, MAR 20, 2025 					
ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Salmonella Spp	ND	Detection	N/A	N/A	Pass

ECOLI TOTAL E. COLI & COLIFORMS - PLATE LAB-TM-059 - ENUMERATION OF ESCHERICHIA COLI AND TOTAL COLIFORM IN FOODS AND DIETARY SUPPLEMENTS ECOLI-DTS-250313-010-01 - THU, MAR 20, 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 LAB-TM-060 - ENUMERATION OF TOTAL AEROBIC COUNT IN FOODS AND DIETARY SUPPLEMENTS TAMC-DTS-250313-010-01 - THU, MAR 20, 2025 					
ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Aerobic Count	ND	100000 CFU/g	100 CFU/g	100 CFU/g	Pass

SAUR STAPHYLOCOCCUS AUREUS - PLATE LAB-TM-062 - ENUMERATION OF STAPHYLOCOCCUS AUREUS IN FOODS AND DIETARY SUPPLEMENTS SAUR-DTS-250313-010-01 - THU, MAR 20, 2025 					
ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
S. aureus	ND	Detection	10 CFU/g	10 CFU/g	Pass

TYMFD TOTAL YEAST & MOLD - PLATE LAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS TYMFD-DTS-250313-010-01 - THU, MAR 20, 2025					
ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
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-250313-010-01 - FRI, MAR 21, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Quality Index Score	99.89 %	95-100 %	N/A	N/A	Pass

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

FTIRA

IDENTIFICATION BY FTIR - LIBRARY REFERENCE
NA - IDENTIFICATION BY FTIR - LIBRARY REFERENCE
FTIRA-DTS-250313-010-01 - FRI, MAR 21, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Library Reference Addition	Confirmed	N/A	N/A	N/A	N/A