

CERTIFICATE OF ANALYSIS



SAMPLE NAME: PART# 10090 - GOLDEN MONK WHITE 1000 G POWDER
SAMPLE CODE: DTS-250529-026
CLIENT: MIT45
BATCH RESULT: PASS

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MATRIX NAME: Botanical Powder - Plant
SAMPLE TYPE: Quality Assurance
RECEIVED DATE: Fri, May 30, 2025
PUBLISHED DATE: Wed, Jun 4, 2025
BATCH/LOT CODE: 2366W
BATCH SIZE: N/A
SAMPLE SIZE: 1U
AVERAGE UNIT WEIGHT: 2.5g

MITRAGYNINE 31.69 mg / serv

TOTAL MAJOR ALKALOIDS 53.63 mg / serv

TOTAL MINOR ALKALOIDS 0.09 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
Wednesday, Jun 4, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations

Cambium Analytica
Wednesday, Jun 4, 2025

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ALKU	KRATOM ALKALOIDS - HIGH LEVEL							
	LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD ALKU-DTS-250529-026-01 - TUE, JUN 3, 2025							
ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	1.2675 %	12.6750 mg/g	31.69 mg	12675.00 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.4218 %	4.2180 mg/g	10.54 mg	4218.00 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.2976 %	2.9760 mg/g	7.44 mg	2976.00 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogyneine	0.1584 %	1.5840 mg/g	3.96 mg	1584.00 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	2.1453 %	21.4530 mg/g	53.63 mg	21453.00 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-250529-026-01 - TUE, JUN 3, 2025							
ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.00346 %	0.03464 mg/g	0.09 mg	34.64 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00003 %	0.00032 mg/g	0.00 mg	0.32 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.00350 %	0.03496 mg/g	0.09 mg	34.96 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-250529-026-01 - TUE, JUN 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-250529-026-01 - TUE, JUN 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-250529-026-01 - TUE, JUN 3, 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-250529-026-01 - TUE, JUN 3, 2025							
ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS			
S. aureus	ND	Detection	10 CFU/g	10 CFU/g	PASS			



TYMF

TOTAL YEAST & MOLD - PLATE - 25G - FULL RANGE

LAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS

TYMFD-DTS-250529-026-01 - WED, JUN 4, 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

FTIR

IDENTIFICATION BY FTIR - REPORT

NULL IDENTIFICATION BY FTIR

FTIRR-DTS-250529-026-01 - TUE, JUN 3, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Quality Index Score	98.86 %	95-100 %	N/A	N/A	PASS

Matched Library Item: Golden Monk White Capsules

