

CERTIFICATE OF ANALYSIS



SAMPLE NAME: PART # 10090 - GOLDEN MONK WHITE 1000 G POWDER
SAMPLE CODE: DTS-250603-033
CLIENT: MIT45
BATCH RESULT: PASS

1230 Woodmere Ave
Traverse City, MI 49686
231.252.3669
cambiumanalytica.com



MATRIX NAME: Botanical Powder - Plant
SAMPLE TYPE: Quality Assurance
RECEIVED DATE: Wed, Jun 4, 2025
PUBLISHED DATE: Mon, Jun 9, 2025
BATCH/LOT CODE: 2368W
BATCH SIZE: 1U
SAMPLE SIZE: 1U
AVERAGE UNIT WEIGHT: 2.5g (400 servings/package)

MITRAGYNINE 27.79 mg / serv

TOTAL MAJOR ALKALOIDS 48.12 mg / serv

TOTAL MINOR ALKALOIDS 0.12 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
Monday, Jun 9, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations

Cambium Analytica
Monday, Jun 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.



ALKU	KRATOM ALKALOIDS - HIGH LEVEL							
	LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD ALKU-DTS-250603-033-02 - THU, JUN 5, 2025							
ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	1.1117 %	11.1170 mg/g	27.79 mg	11117.00 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.3965 %	3.9650 mg/g	9.91 mg	3965.00 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.2780 %	2.7800 mg/g	6.95 mg	2780.00 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogyneine	0.1384 %	1.3840 mg/g	3.46 mg	1384.00 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	1.9246 %	19.2460 mg/g	48.12 mg	19246.00 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-250603-033-01 - FRI, JUN 6, 2025							
ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.00489 %	0.04894 mg/g	0.12 mg	48.94 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	0.00493 %	0.04926 mg/g	0.12 mg	49.26 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-250603-033-01 - FRI, JUN 6, 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-250603-033-01 - FRI, JUN 6, 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-250603-033-01 - FRI, JUN 6, 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-250603-033-01 - FRI, JUN 6, 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-250603-033-01 - MON, JUN 9, 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-250603-033-01 - THU, JUN 5, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Quality Index Score	97.86 %	95-100 %	N/A	N/A	PASS

Matched Library Item: Golden Monk White

