CERTIFICATE OF ANALYSIS

SAMPLE NAME: PART# 10195 - GOLDEN MONK GREEN 500 G POWDER
SAMPLE CODE: DTS-250528-017
CLIENT: MIT45
BATCH RESULT: PASS

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MATRIX NAME:	Botanical Powder - Plant
SAMPLE TYPE:	Quality Assurance
RECEIVED DATE:	Thu, May 29, 2025
PUBLISHED DATE:	Mon, Jun 02, 2025
BATCH/LOT CODE:	2359G
BATCH SIZE:	1 U
SAMPLE SIZE:	1 U
AVERAGE UNIT WEIGHT:	2.5 g (200 servings/package.)

TOTAL MAJOR ALKALOIDS	46.82 mg/serv
MITRAGYNINE	27.78 mg/serv
TOTAL MINOR ALKALOIDS	0.05 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
Mon, Jun 02, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations
Cambium Analytica
Mon, Jun 02, 2025

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ALKU

KRATOM ALKALOIDS - HIGH LEVEL

LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD
ALKU-DTS-250528-017-01 - MON, JUN 02, 2025

ANALYTE	VALUE	VALUE (MG)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	1.1113 %	11.113 mg/g	27.78 mg	5556.5 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.3695 %	3.695 mg/g	9.24 mg	1847.5 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.2573 %	2.573 mg/g	6.43 mg	1286.5 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.1348 %	1.348 mg/g	3.37 mg	674 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	1.8729 %	18.729 mg/g	46.82 mg	9364.5 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-250528-017-01 - MON, JUN 02, 2025

ANALYTE	VALUE	VALUE (MG)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.00186 %	0.01863 mg/g	0.05 mg	9.32 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00003 %	0.00027 mg/g	0 mg	0.13 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.00189 %	0.0189 mg/g	0.05 mg	9.45 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-250528-017-01 - MON, JUN 02, 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-250528-017-01 - MON, JUN 02, 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-250528-017-01 - MON, JUN 02, 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-250528-017-01 - MON, JUN 02, 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-250528-017-01 - MON, JUN 02, 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

NA - IDENTIFICATION BY FTIR
FTIRR-DTS-250528-017-01 - MON, JUN 02, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Quality Index Score	99.07 %	95-100 %	N/A	N/A	Pass

Matched Library Item: Golden Monk Green Powder