

Certificate of Analysis



Sample Name: Part # 10190 - Golden Monk Green 500CT Capsules
Client: MIT45
Sample Code: DTS-250703-010
Matrix Name: Pill - Capsule
Type / Result: Quality Assurance - Pass



Received Date: Mon, Jul 7, 2025
Published Date: Thu, Jul 10, 2025
Batch/Lot Code: 2438G
Batch Size: 1U
Sample Size: 1U
Average Unit Weight: 0.6452g (One serving is 5 capsules, 100 servings/package)

RESULT SUMMARY

Mitragynine	32.48 mg /serv
Total Major Alkaloids	53.09 mg /serv
Total Minor Alkaloids	0.08 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
Thursday, Jul 10, 2025

RESULTS CERTIFIED BY:

 **Douglas Smith**
VP - Scientific Operations
Cambium Analytica
Thursday, Jul 10, 2025

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ALKU

Kratom Alkaloids - High LevelLAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD
ALKU-DTS-250703-010-01 - WED, JUL 9, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.0067 %	10.0670 mg/g	32.48 mg	3247.61 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.2967 %	2.9670 mg/g	9.57 mg	957.15 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.2161 %	2.1610 mg/g	6.97 mg	697.14 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.1263 %	1.2630 mg/g	4.07 mg	407.44 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	1.6458 %	16.4580 mg/g	53.09 mg	5309.35 mg	N/A	N/A	N/A	N/A

ALKL

Kratom Alkaloids - Low LevelLAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TQ
ALKL-DTS-250703-010-01 - THU, JUL 10, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00213 %	0.02126 mg/g	0.07 mg	6.86 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00002 %	0.00021 mg/g	0.00 mg	0.07 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.00249 %	0.02494 mg/g	0.08 mg	8.05 mg	N/A	0.006 ug/g	0.03 ug/g	N/A

SAL

Salmonella - qPCR - 25gLAB-TM-063 - Detection and Isolation of Salmonella spp. in Foods and Dietary Supplements
SAL-DTS-250703-010-01 - WED, JUL 9, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Salmonella Spp	ND	N/A	N/A	N/A	N/A

ECOLI

Total Coliforms & E. coli - Plate - 25g - Full RangeLAB-TM-059 - Enumeration of Escherichia coli and Total Coliform in Foods and Dietary Supplements
ECOLI-DTS-250703-010-01 - WED, JUL 9, 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 RangeLAB-TM-060 - Enumeration of Total Aerobic Count in Foods and Dietary Supplements
TAMC-DTS-250703-010-01 - WED, JUL 9, 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 - 25gLAB-TM-062 - Enumeration of Staphylococcus aureus in Foods and Dietary Supplements
SAUR-DTS-250703-010-01 - WED, JUL 9, 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 RangeLAB-TM-061 - Enumeration of Yeast and Mold in Foods and Dietary Supplements
TYMFD-DTS-250703-010-01 - THU, JUL 10, 2025

Analyte	Value	Action Limit	LOD	LOG	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 - Reportnull Identification by FTIR
FTIRR-DTS-250703-010-01 - WED, JUL 9, 2025

Analyte	Value	Action Limit	LOD	LOG	Status
Quality Index Score	99.76 %	95 - 100 %	N/A	N/A	PASS

Matched Library Item: Golden MonkGreen 500g Powder