

Certificate of Analysis

Sample Name: Part # 10075 - Golden Monk White (500ct) Capsules
Client: MIT45
Sample Code: DTS-250813-003
Matrix Name: Pill - Capsule
Type / Result: Quality Assurance - Pass



Received Date: Thu, Aug 14, 2025
Published Date: Tue, Aug 19, 2025
Batch/Lot Code: 2501W
Batch Size: 1U
Sample Size: 1U
Average Unit Weight: 0.6273g (One serving is 5 capsules. 100 servings/package.)

RESULT SUMMARY	
Mitragynine	26.22 mg /serv
Total Major Alkaloids	46.12 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:			RESULTS CERTIFIED BY:		
	Leslie Varela Laboratory Director	Cambium Analytica Tuesday, Aug 19, 2025		Douglas Smith VP - Scientific Operations	Cambium Analytica Tuesday, Aug 19, 2025
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ALKU Kratom Alkaloids - High Level LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD ALKU-DTS-250813-003-03 - MON, AUG 18, 2025								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.8359 %	8.3592 mg/g	26.22 mg	2621.87 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	0.3401 %	3.4014 mg/g	10.67 mg	1066.86 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	0.1892 %	1.8921 mg/g	5.93 mg	593.44 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.1051 %	1.0511 mg/g	3.30 mg	329.67 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids	1.4704 %	14.7038 mg/g	46.12 mg	4611.84 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-250813-003-01 - MON, AUG 18, 2025								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00153 %	0.01527 mg/g	0.05 mg	4.79 mg	N/A	0.002 ug/g	0.011 ug/g	N / A
Mitraphylline	0.00001 %	0.00006 mg/g	0.00 mg	0.02 mg	N/A	0.004 ug/g	0.019 ug/g	N / A
Total Minor Alkaloids	0.00153 %	0.01534 mg/g	0.05 mg	4.81 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-250813-003-01 - MON, AUG 18, 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-250813-003-01 - MON, AUG 18, 2025					ISO ISO 17025 ACCREDITED
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-250813-003-01 - MON, AUG 18, 2025						ISO ISO 17025 ACCREDITED		
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-250813-003-01 - MON, AUG 18, 2025						ISO ISO 17025 ACCREDITED		
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-250813-003-01 - MON, AUG 18, 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 ANA-TM-113 - Identification by FTIR FTIRR-DTS-250813-003-01 - MON, AUG 18, 2025					
Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	98.55 %	95 - 100 %	N/A	N/A	PASS

Matched Library Item: Kratom Powder White Part#0031 Lot: 05-06223

