

Certificate of Analysis

Sample Name: Part # 10090 - Golden Monk White 1000 g Powder
Client: MIT45
Sample Code: DTS-251216-057
Matrix Name: Botanical Powder - Plant
Type / Result: Quality Assurance - Pass



Received Date: Wed, Dec 17, 2025
Published Date: Mon, Dec 22, 2025
Batch/Lot Code: 2677W
Batch Size: 1U
Sample Size: 1U
Average Unit Weight: 2.5g (400 servings/package)

RESULT SUMMARY

Mitragynine	28.21 mg /serv
Total Major Alkaloids	49.34 mg /serv

ALKU
Kratom Alkaloids
High Level

ALKL
Kratom Alkaloids
Low Level

SAL
Salmonella spp.
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, Dec 22, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific
Operations

Cambium Analytica
Monday, Dec 22, 2025

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Lab Information

Address: 1230 Woodmere Ave, Traverse City, MI 49686
Phone: 231.252.3669
Accreditation: ISO/IEC 17025:2017 – #108157



ALKU Kratom Alkaloids - High Level LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD ALKU-DTS-251216-057-01 - MON, DEC 22, 2025								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.1284 %	11.2839 mg/g	28.21 mg	11283.91 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	0.3880 %	3.8804 mg/g	9.70 mg	3880.36 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	0.2958 %	2.9585 mg/g	7.40 mg	2958.46 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.1613 %	1.6133 mg/g	4.03 mg	1613.33 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids*	1.9736 %	19.7361 mg/g	49.34 mg	19736.06 mg	N/A	N/A	N/A	N / A

*Total Major Alkaloids is calculated as the sum of Mitragynine, Paynantheine, Speciociliatine and Speciogynine.

ALKL Kratom Alkaloids - Low Level LAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TQ ALKL-DTS-251216-057-01 - MON, DEC 22, 2025								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00235 %	0.02352 mg/g	0.06 mg	23.52 mg	N/A	0.002 ug/g	0.011 ug/g	N / A
Mitraphylline	0.00002 %	0.00016 mg/g	0.00 mg	0.16 mg	N/A	0.004 ug/g	0.019 ug/g	N / A
Total Minor Alkaloids*	0.00237 %	0.02368 mg/g	0.06 mg	23.68 mg	N/A	N/A	N/A	N / A

*Total Minor Alkaloids is calculated as the sum of 7-Hydroxymitragynine and Mitraphylline.

SAL Salmonella spp. - qPCR - 25g LAB-TM-063 - Detection of Presumptive Salmonella spp. in Foods and Dietary Supplements SAL-DTS-251216-057-01 - FRI, DEC 19, 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-251216-057-01 - FRI, DEC 19, 2025					ISO ISO 17025 ACC0108187
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-251216-057-01 - FRI, DEC 19, 2025					ISO ISO 17025 ACC0108187
Analyte	Value	Action Limit	LOD	LOQ	Status
Total Aerobic Count	11000 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-251216-057-01 - FRI, DEC 19, 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-251216-057-01 - MON, DEC 22, 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

*Total Yeast and Mold is calculated as the sum of Total Yeast and Total Mold

FTIRR

Identification by FTIR - Report

ANA-TM-113 - Identification by FTIR

FTIRR-DTS-251216-057-01 - THU, DEC 18, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	98.7 %	95 - 100 %	N/A	N/A	PASS

Golden Monk White Powder

