

Certificate of Analysis

Sample Name: Part # 10120 - Golden Monk Red 1000 g Powder
Client: MIT45
Sample Code: DTS-251113-014
Matrix Name: Botanical Powder - Plant
Type / Result: Quality Assurance - Pass



Received Date: Fri, Nov 14, 2025
Published Date: Wed, Nov 19, 2025
Batch/Lot Code: 2633R
Batch Size: 1U
Sample Size: 1U
Average Unit Weight: 2.5g (400 servings/package.)

RESULT SUMMARY

Mitragynine	28.71 mg /serv
Total Major Alkaloids	47.71 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
Wednesday, Nov 19, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations

Cambium Analytica
Wednesday, Nov 19, 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-251113-014-01 - TUE, NOV 18, 2025								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.1485 %	11.4850 mg/g	28.71 mg	11485.01 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	0.3702 %	3.7021 mg/g	9.26 mg	3702.09 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	0.2455 %	2.4549 mg/g	6.14 mg	2454.88 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.1442 %	1.4418 mg/g	3.60 mg	1441.78 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids*	1.9084 %	19.0838 mg/g	47.71 mg	19083.76 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-251113-014-01 - WED, NOV 19, 2025								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00180 %	0.01805 mg/g	0.05 mg	18.05 mg	N/A	0.002 ug/g	0.011 ug/g	N / A
Mitraphylline	0.00002 %	0.00018 mg/g	0.00 mg	0.18 mg	N/A	0.004 ug/g	0.019 ug/g	N / A
Total Minor Alkaloids*	0.00182 %	0.01823 mg/g	0.05 mg	18.23 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-251113-014-01 - WED, NOV 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-251113-014-01 - TUE, NOV 18, 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-251113-014-01 - TUE, NOV 18, 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-251113-014-01 - TUE, NOV 18, 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-251113-014-01 - WED, NOV 19, 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-251113-014-01 - MON, NOV 17, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	99.3 %	95 - 100 %	N/A	N/A	PASS

Golden Monk Red 500g Powder

