

Certificate of Analysis

Sample Name: Part # 10200 Golden Monk Green 1000 Ct Capsules
Client: MIT45
Sample Code: DTS-251201-023
Matrix Name: Pill - Capsule
Type / Result: Quality Assurance - Pass



Received Date: Thu, Dec 04, 2025
Published Date: Wed, Dec 10, 2025
Revision Date: Wed, Dec 10, 2025
Batch/Lot Code: 2654G
Batch Size: 1 U
Sample Size: 1 U
Average Unit Weight: 0.625 g (5 capsule, 200 servings/package.)

RESULT SUMMARY	
Total Major Alkaloids	47.47 mg/serv
Mitragynine	27.95 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
Wed, Dec 10, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific
Operations

Cambium Analytica
Wed, Dec 10, 2025

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ALKU

Kratom Alkaloids - High Level

LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD

ALKU-DTS-251201-023-01 - WED, DEC 10, 2025

Analyte	Value	Value (mg)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.8938 %	8.9381 mg/g	27.95 mg	5589.09 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	0.3072 %	3.0724 mg/g	9.61 mg	1921.21 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	0.2059 %	2.0591 mg/g	6.44 mg	1287.55 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.1114 %	1.114 mg/g	3.48 mg	696.57 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids*	1.5184 %	15.1836 mg/g	47.47 mg	9494.43 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-251201-023-01 - WED, DEC 10, 2025



Analyte	Value	Value (mg)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00287 %	0.02868 mg/g	0.09 mg	17.93 mg	N/A	0.002 ug/g	0.011 ug/g	N / A
Mitraphylline	0.00001 %	0.00013 mg/g	0 mg	0.08 mg	N/A	0.004 ug/g	0.019 ug/g	N / A
Total Minor Alkaloids*	0.00288 %	0.02881 mg/g	0.09 mg	18.01 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-251201-023-01 - TUE, DEC 09, 2025



Analyte	Value	Action Limit	LOD	LOQ	Status
Salmonella spp.	ND	Detection	N/A	N/A	Pass

References: USP <62> - Vendor Modified, USP <2022> - Vendor Modified, USP <1223>, AOAC PTM 121802, AOAC OMA 2020.02

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-251201-023-01 - SAT, DEC 06, 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

References: USP <61> - Vendor Modified, USP <2021> - Vendor Modified, USP <1223>, AOAC PTM 051801, AOAC OMA 2018.13

TAMC

Total Aerobic Bacteria - Plate - 25g - Full Range

LAB-TM-060 - Enumeration of Total Aerobic Count in Foods and Dietary Supplements

TAMC-DTS-251201-023-01 - SAT, DEC 06, 2025



Analyte	Value	Action Limit	LOD	LOQ	Status
Total Aerobic Count	2000 CFU/g	100000 CFU/g	1000 CFU/g	1000 CFU/g	Pass

References: USP <61> - Vendor Modified, USP <1223>, AOAC PTM 121403, AOAC OMA 2015.13

SAUR

Staphylococcus aureus - Plate - 25g

LAB-TM-062 - Enumeration of Staphylococcus aureus in Foods and Dietary Supplements

SAUR-DTS-251201-023-01 - SAT, DEC 06, 2025



Analyte	Value	Action Limit	LOD	LOQ	Status
S. aureus	ND	Detection	10 CFU/g	10 CFU/g	Pass

References: USP <61> - Vendor Modified, USP <2021> - Vendor Modified, USP <1223>, AOAC OMA 2003.07

TYMFD Total Yeast & Mold - Plate - 25g - Full Range LAB-TM-061 - Enumeration of Yeast and Mold in Foods and Dietary Supplements TYMFD-DTS-251201-023-01 - MON, DEC 08, 2025 					
Analyte	Value	Action Limit	LOD	LOQ	Status
Total Mold	40 CFU/g	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*	40 CFU/g	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
References: USP <61> - Vendor Modified, USP <1223>, AOAC PTM 121301, AOAC OMA 2014.05

FTIRR Identification by FTIR - Report ANA-TM-113 - Identification by FTIR FTIRR-DTS-251201-023-01 - MON, DEC 08, 2025					
Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	99.7 %	95 - 100 %	N/A	N/A	Pass

References: USP <197>, USP <854>, USP <1854>
Golden Monk Green