Certificate of Analysis

Sample Name: Part # 10110 - Golden Monk Red 500 g Powder
Client: MIT45
Sample Code: DTS-260421-003
Matrix Name: Botanical Powder - Plant
Type / Result: Quality Assurance - Pass

cambium analytica
an NSF company



Received Date: Wed, Apr 22, 2026
Published Date: Mon, Apr 27, 2026
Batch/Lot Code: 2811R
Batch Size: 1U
Sample Size: 1U
Average Unit Weight: 2.5g (200 servings/package.)

RESULT SUMMARY

Mitragynine	27.47 mg /serv
Total Major Alkaloids	45.83 mg /serv

ALKU ✓	ALKL ✓	SAUR ✓	HVMET ✓	FTIRR ✓
Kratom Alkaloids	Kratom Alkaloids	Staphylococcus aureus	Heavy Metals	Identification by FTIR
High Level	Low Level	Plate	Big 4	Report

Approvals

RESULTS REVIEWED BY:

Leslie Nagy
Laboratory Director
Cambium Analytica
Monday, Apr 27, 2026

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations
Cambium Analytica
Monday, Apr 27, 2026

This report may not be reproduced except in full without approval from Cambium Analytica. The results herein relate only to the sample & batch identified in this report.

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-260421-003-02 - THU, APR 23, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.0987 %	10.9872 mg/g	27.47 mg	5493.58 mg	N/A	0.0495 mg/g	0.0989 mg/g	N/A
Speciociliatine	0.3784 %	3.7840 mg/g	9.46 mg	1892.02 mg	N/A	0.0495 mg/g	0.0989 mg/g	N/A
Paynantheine	0.2046 %	2.0460 mg/g	5.12 mg	1023.02 mg	N/A	0.0495 mg/g	0.0989 mg/g	N/A
Speciogynine	0.1514 %	1.5139 mg/g	3.78 mg	756.96 mg	N/A	0.0495 mg/g	0.0989 mg/g	N/A
Total Major Alkaloids*	1.8331 %	18.3312 mg/g	45.83 mg	9165.58 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-260421-003-01 - FRI, APR 24, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00249 %	0.02486 mg/g	0.06 mg	12.43 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00001 %	0.00009 mg/g	0.00 mg	0.04 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids*	0.00249 %	0.02495 mg/g	0.06 mg	12.47 mg	N/A	N/A	N/A	N/A

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

SAUR

Staphylococcus aureus - Plate - 25g

LAB-TM-062 - Enumeration of Staphylococcus aureus in Foods and Dietary Supplements
SAUR-DTS-260421-003-01 - SAT, APR 25, 2026

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

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

HVMET

Heavy Metals - Big 4

LAB-TM-044 - Determination of Heavy Metals by ICP-MS
HVMET-DTS-260421-003-01 - FRI, APR 24, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	0.281 ug/g	0.000 mg/g	0.70 ug	140.55 ug	1 ug/g	41.494 ug/kg	115.260 ug/kg	PASS
Cadmium	<LOQ	N/A	N/A	N/A	1 ug/g	8.299 ug/kg	28.815 ug/kg	PASS
Lead	0.566 ug/g	0.001 mg/g	1.41 ug	282.96 ug	3 ug/g	5.071 ug/kg	28.815 ug/kg	PASS
Mercury	0.017 ug/g	0.000 mg/g	0.04 ug	8.52 ug	1 ug/g	1.614 ug/kg	2.882 ug/kg	PASS

USP <233>, USP <730>, USP <1730>

FTIRR

Identification by FTIR - Report

ANA-TM-113 - Identification by FTIR

FTIRR-DTS-260421-003-01 - THU, APR 23, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	99.8 %	95 - 100 %	N/A	N/A	PASS

USP <197>, USP <854>, USP <1854>

Part# 10110 Golden Monk Red 500 g Powder

Docusign Envelope ID: 99EDB04E-889A-8CB0-8290-77156F3DE2D0

Diversified Botanics™

Certificate of Analysis

Description:	Golden Monk Red 500 g Powder	**Sample ID:**	2604-015
Item Number:	10110	**Date Received:**	4/21/2026
Batch / Lot Code:	2811R	**Date Published:**	4/23/2026

- BIOLOGIC -		**Specification Range**			
Test Name	**Result**	**Limit**	**UOM**	**Spec Number**	**Status**
Total Aerobic Count	<100,000	≤ 100,000	CFU/10g	SOP 01-123	**PASS**
Coliforms	<1,000	≤ 1,000	CFU/10g	SOP 01-121	**PASS**
Escherichia coli	ND	Not Detected	CFU/10g	SOP 01-122	**PASS**
Salmonella sp.	ND	Not Detected	CFU/10g	SOP 01-118	**PASS**
Total Yeast and Mold	<1,000	≤ 1,000	CFU/10g	SOP 01-119	**PASS**

— PHYSICAL —		**Specification Range**		
Test Name	**Result**	**Target**	**Method**	**Status**
Appearance	Powder	Powder	Sensory	**PASS**
Color	Brownish - Green/Yellow	Brownish - Green/Yellow	Sensory	**PASS**
Odor	Herbal	Herbal	Sensory	**PASS**

Comment:

Quality Reviewed : Signed by: Nancy Pelagio DDCBBF153694432... **Date:** 4/23/2026

Quality Assurance : Signed by: Lulu 569C93799ACE4EC... **Date:** 4/27/2026