

# Certificate of Analysis

**Sample Name:** MOON WALKER KRATOM CHEWABLE TABLET 250MG STRAWBERRY LEMONADE

**Client:** Moon Walker Bota LLC

**Sample Code:** DTS-251212-011

**Matrix Name:** Pill - Tablet

**Type / Result:** Quality Assurance - Pass



Received Date: Mon, Dec 15, 2025  
Published Date: Thu, Dec 18, 2025  
Batch/Lot Code: 027101007SL  
Batch Size: 5.90kg  
Sample Size: 590mg  
Average Unit Weight: 0.591575g

## RESULT SUMMARY

Mitragynine	112.82 mg /serv
Total Major Alkaloids	121.12 mg /serv

ALKU ✓  
Kratom Alkaloids  
High Level

ALKL ✓  
Kratom Alkaloids  
Low Level

MOS ✓  
Moisture Content  
Loss on Drying

7OHFL ✓  
7-Hydroxymitragynine  
Florida

## Approvals

### RESULTS REVIEWED BY:



Leslie Varela  
Laboratory Director

Cambium Analytica  
Thursday, Dec 18, 2025

### RESULTS CERTIFIED BY:



Douglas Smith  
VP - Scientific  
Operations

Cambium Analytica  
Thursday, Dec 18, 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



Kratom Alkaloids - High Level								
LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD								
ALKU-251212-011-01 - TUE, DEC 16, 2025								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	19.0711 %	190.7108 mg/g	112.82 mg	112.82 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.8321 %	8.3208 mg/g	4.92 mg	4.92 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.4446 %	4.4461 mg/g	2.63 mg	2.63 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.1256 %	1.2560 mg/g	0.74 mg	0.74 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids*	20.4734 %	204.7337 mg/g	121.12 mg	121.12 mg	N/A	N/A	N/A	N/A

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

Kratom Alkaloids - Low Level								
LAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TQ								
ALKL-251212-011-01 - WED, DEC 17, 2025								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.03752 %	0.37517 mg/g	0.22 mg	0.22 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00025 %	0.00251 mg/g	0.00 mg	0.00 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids*	0.03777 %	0.37767 mg/g	0.22 mg	0.22 mg	N/A	N/A	N/A	N/A

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

Moisture Content - Loss on Drying								
LAB-TM-008 - Loss on Drying								
MOS-251212-011-01 - THU, DEC 18, 2025								
Analyte	Value	Action Limit		LOD	LOQ		Status	
Moisture	4.10 %	N/A		N/A	N/A		N/A	

7-Hydroxymitragynine - Florida - Dry-Weight Basis								
7-Hydroxymitragynine - (Florida — Dry-Weight Basis)								
7OHFL-251212-011-01 - THU, DEC 18, 2025								
Analyte	Value	Action Limit		LOD	LOQ		Status	
7-Hydroxymitragynine - As Received*	375.20 ppm	N/A		N/A	N/A		N/A	
7-Hydroxymitragynine - Dry-Weight*	391.24 ppm	400 ppm		N/A	N/A		PASS	
Moisture (%) by Input*	4.10 %	N/A		N/A	N/A		N/A	

\*7-Hydroxymitragynine – As Received: The “As Received” value represents the concentration of 7-hydroxymitragynine, expressed in parts per million (ppm), as reported in the Kratom Alkaloids – Low Level test. This corresponds to the measured percentage of 7-hydroxymitragynine in the sample as received.

\*7-Hydroxymitragynine (Dry-Weight Basis): The dry weight concentration of 7-hydroxymitragynine is calculated using the following formula: Dry Weight 7-Hydroxymitragynine (ppm) = 7-Hydroxymitragynine (ppm) x (100 / (100 – Moisture by Input (%)))

\*The Moisture (%) by Input result may represent either a client-provided input or a value measured by Cambium. This value is incorporated into associated calculated analytes for reporting purposes.

