

# Certificate of Analysis

**Sample Name:** MOON WALKER KRATOM CHEWABLE TABLET 250MG BLUE RASPBERRY  
**Client:** Moon Walker Bota LLC  
**Sample Code:** DTS-251212-014  
**Matrix Name:** Pill - Tablet  
**Type / Result:** Quality Assurance - Pass



**Received Date:** Mon, Dec 15, 2025  
**Published Date:** Thu, Dec 18, 2025  
**Batch/Lot Code:** 027101004BR  
**Batch Size:** 5.9kg  
**Sample Size:** 590mg  
**Average Unit Weight:** 0.5954g

RESULT SUMMARY	
Mitragynine	116.44 mg /serv
Total Major Alkaloids	125.00 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



ALKU

### Kratom Alkaloids - High Level

LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD  
 ALKU-DTS-251212-014-01 - TUE, DEC 16, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	19.5566 %	195.5664 mg/g	116.44 mg	116.44 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.8527 %	8.5268 mg/g	5.08 mg	5.08 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.4537 %	4.5368 mg/g	2.70 mg	2.70 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.1311 %	1.3107 mg/g	0.78 mg	0.78 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids*	20.9941 %	209.9407 mg/g	125.00 mg	125.00 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-251212-014-01 - WED, DEC 17, 2025



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.03077 %	0.30775 mg/g	0.18 mg	0.18 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00027 %	0.00268 mg/g	0.00 mg	0.00 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids*	0.03104 %	0.31043 mg/g	0.18 mg	0.18 mg	N/A	N/A	N/A	N/A

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

MOS

### Moisture Content - Loss on Drying

LAB-TM-008 - Loss on Drying  
 MOS-DTS-251212-014-01 - THU, DEC 18, 2025



Analyte	Value	Action Limit	LOD	LOQ	Status
Moisture	4.50 %	N/A	N/A	N/A	N/A

7OHFL

### 7-Hydroxymitragynine - Florida - Dry-Weight Basis

7-Hydroxymitragynine - (Florida — Dry-Weight Basis)  
 7OHFL-DTS-251212-014-01 - THU, DEC 18, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine - As Received*	307.70 ppm	N/A	N/A	N/A	N/A
7-Hydroxymitragynine - Dry-Weight*	322.20 ppm	400 ppm	N/A	N/A	PASS
Moisture (%) by Input*	4.50 %	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.

