

Certificate of Analysis



Sample Name: Kplex 50 mg Root Beer
Client: Prof Whyte's Kratom
Sample Code: DTS-260424-045
Matrix Name: Beverage
Type / Result: Batch Release - Pass



Received Date: Mon, Apr 27, 2026
Published Date: Thu, Apr 30, 2026
Batch/Lot Code: PWRB50-002
Batch Size: N/A
Sample Size: 1U
Average Unit Weight: 355mL

RESULT SUMMARY

Mitragynine	49.16 mg /serv
Total Major Alkaloids	49.16 mg /serv


ALKU
Kratom Alkaloids
High Level

ALKL
Kratom Alkaloids
Low Level

7OHFL
7-Hydroxymitragynine
Florida

Approvals

RESULTS REVIEWED BY:

 **Leslie Nagy**
Laboratory Director
Cambium Analytica
Thursday, Apr 30, 2026

RESULTS CERTIFIED BY:

 **Douglas Smith**
VP - Scientific Operations
Cambium Analytica
Thursday, Apr 30, 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 LevelLAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD
ALKU-DTS-260424-045-01 - THU, APR 30, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.0138 %	0.1385 mg/g	49.16 mg	49.16 mg	N/A	0.0050 mg/g	0.0100 mg/g	N/A
Paynantheine	ND	N/A	N/A	N/A	N/A	0.0050 mg/g	0.0100 mg/g	N/A
Speciociliatine	ND	N/A	N/A	N/A	N/A	0.0050 mg/g	0.0100 mg/g	N/A
Speciogyneine	ND	N/A	N/A	N/A	N/A	0.0050 mg/g	0.0100 mg/g	N/A
Total Major Alkaloids*	0.0138 %	0.1385 mg/g	49.16 mg	49.16 mg	N/A	N/A	N/A	N/A

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

ALKL

Kratom Alkaloids - Low LevelLAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TQ
ALKL-DTS-260424-045-01 - THU, APR 30, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00032 %	0.00321 mg/g	1.14 mg	1.14 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	ND	N/A	N/A	N/A	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids*	0.00032 %	0.00321 mg/g	1.14 mg	1.14 mg	N/A	N/A	N/A	N/A

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

7OHFL

7-Hydroxymitragynine - Florida - Dry-Weight Basis7-Hydroxymitragynine - (Florida — Dry-Weight Basis)
7OHFL-DTS-260424-045-01 - THU, APR 30, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Moisture (%) by Input*	98.100 %	N/A	N/A	N/A	N/A
7-Hydroxymitragynine - As Received*	3.21 ppm	N/A	N/A	N/A	N/A
7-Hydroxymitragynine - Dry-Weight*	169.18 ppm	400 ppm	N/A	N/A	PASS

*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.

*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 (%)))

