

Certificate of Analysis

Sample Name: KBE-RAZ-30
Client: Kats Botanicals
Sample Code: DTS-260403-048
Matrix Name: Edible Solid - Gummy
Type / Result: Quality Assurance - Pass



Received Date: Fri, Apr 10, 2026
Published Date: Fri, Apr 17, 2026
Batch/Lot Code: 04022026
Batch Size: N/A
Sample Size: 1U
Average Unit Weight: 3.4555g (1 gummy)

RESULT SUMMARY	
Mitragynine	28.45 mg /serv
Total Major Alkaloids	29.05 mg /serv

ALKU Kratom Alkaloids High Level	ALKL Kratom Alkaloids Low Level	ECOLI Total Coliforms & E. coli Plate	MOS Moisture Content Loss on Drying	HVMET Heavy Metals Big 4
SOLHM Residual Solvents National Panel	7OHFL 7-Hydroxymitragynine Florida			

Approvals					
RESULTS REVIEWED BY:			RESULTS CERTIFIED BY:		
	Leslie Nagy Laboratory Director	Cambium Analytica Friday, Apr 17, 2026		Douglas Smith VP - Scientific Operations	Cambium Analytica Friday, Apr 17, 2026
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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-260403-048-01 - TUE, APR 21, 2026								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.8234 %	8.2340 mg/g	28.45 mg	28.45 mg	N/A	0.0203 mg/g	0.0405 mg/g	N / A
Paynantheine	0.0115 %	0.1149 mg/g	0.40 mg	0.40 mg	N/A	0.0203 mg/g	0.0405 mg/g	N / A
Speciogynine	0.0057 %	0.0569 mg/g	0.20 mg	0.20 mg	N/A	0.0203 mg/g	0.0405 mg/g	N / A
Speciociliatine	ND	N/A	N/A	N/A	N/A	0.0203 mg/g	0.0405 mg/g	N / A
Total Major Alkaloids*	0.8406 %	8.4058 mg/g	29.05 mg	29.05 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-260403-048-01 - TUE, APR 14, 2026								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00006 %	0.00061 mg/g	0.00 mg	0.00 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*	0.00006 %	0.00061 mg/g	0.00 mg	0.00 mg	N/A	N/A	N/A	N / A

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

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-260403-048-01 - TUE, APR 14, 2026						ISO ISO 17025 ACCREDITED		
Analyte	Value	Action Limit	LOD	LOQ	Status			
E. coli	ND	20 CFU/g	10 CFU/g	10 CFU/g	PASS			
Total Coliforms	ND	10000 CFU/g	10 CFU/g	10 CFU/g	PASS			

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

MOS Moisture Content - Loss on Drying LAB-TM-008 - Loss on Drying MOS-DTS-260403-048-01 - FRI, APR 17, 2026						ISO ISO 17025 ACCREDITED		
Analyte	Value	Action Limit	LOD	LOQ	Status			
Moisture	9.33 %	N/A	N/A	N/A	N / A			



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	ND	N/A	N/A	N/A	N/A	33.495 ug/kg	93.041 ug/kg	N/A
Cadmium	ND	N/A	N/A	N/A	N/A	6.699 ug/kg	23.260 ug/kg	N/A
Lead	<LOQ	N/A	N/A	N/A	N/A	4.094 ug/kg	23.260 ug/kg	N/A
Mercury	<LOQ	N/A	N/A	N/A	N/A	1.303 ug/kg	2.326 ug/kg	N/A

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



Analyte	Value	Action Limit	LOD	LOQ	Status
1,1-Dichloroethene	ND	N/A	5 ug/g	10 ug/g	N / A
1,2-Dichloroethane	ND	N/A	0.5 ug/g	1.00 ug/g	N / A
2-Methylbutane	ND	N/A	5 ug/g	10 ug/g	N / A
2-Methylpentane	ND	N/A	5 ug/g	10 ug/g	N / A
2,2-Dimethylbutane	ND	N/A	5 ug/g	10 ug/g	N / A
2,3-Dimethylbutane	ND	N/A	5 ug/g	10 ug/g	N / A
3-Methylpentane	ND	N/A	5 ug/g	10 ug/g	N / A
Acetone	ND	N/A	5 ug/g	10 ug/g	N / A
Acetonitrile	ND	N/A	5 ug/g	10 ug/g	N / A
Benzene	ND	N/A	0.18 ug/g	0.50 ug/g	N / A
Butane	ND	N/A	5 ug/g	10 ug/g	N / A
Chloroform	ND	N/A	0.78 ug/g	1 ug/g	N / A
Ethanol	10.959 ug/g	N/A	5 ug/g	10 ug/g	N / A
Ethyl Acetate	ND	N/A	5 ug/g	10 ug/g	N / A
Ethyl Ether	ND	N/A	5 ug/g	10 ug/g	N / A
Ethylene Oxide	ND	N/A	2 ug/g	4 ug/g	N / A
Heptane	ND	N/A	5 ug/g	10 ug/g	N / A
Hexane	ND	N/A	5 ug/g	10 ug/g	N / A
Isobutane	ND	N/A	5 ug/g	10 ug/g	N / A
Isopropyl Alcohol	11.308 ug/g	N/A	5 ug/g	10 ug/g	N / A
Methanol	56.188 ug/g	N/A	5 ug/g	10 ug/g	N / A
Methylene Chloride	ND	N/A	5 ug/g	10 ug/g	N / A
Neopentane	ND	N/A	5 ug/g	10 ug/g	N / A
Pentane	ND	N/A	5 ug/g	10 ug/g	N / A
Propane	ND	N/A	5 ug/g	10 ug/g	N / A
Toluene	ND	N/A	5 ug/g	10 ug/g	N / A
Total Xylenes	ND	N/A	5 ug/g	10 ug/g	N / A
Trichloroethylene	ND	N/A	0.5 ug/g	1 ug/g	N / A
Total Butanes*	0.000 ug/g	N/A	N/A	N/A	N / A
Total Hexanes*	0.000 ug/g	N/A	N/A	N/A	N / A
Total Pentanes*	0.000 ug/g	N/A	N/A	N/A	N / A

*Total Butanes is calculated as the sum of Butane and Isobutane

*Total Hexanes is calculated as the sum of Hexane, 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, and 3-Methylpentane.

*Total Pentanes is calculated as the sum of Pentane, 2-Methylbutane, and Neopentane.

Modified USP <467>



7OHFL

7-Hydroxymitragynine - Florida - Dry-Weight Basis

7-Hydroxymitragynine - (Florida — Dry-Weight Basis)

7OHFL-DTS-260403-048-01 - FRI, APR 17, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Moisture (%) by Input*	9.330 %	N/A	N/A	N/A	N/A
7-Hydroxymitragynine - As Received*	0.60 ppm	N/A	N/A	N/A	N/A
7-Hydroxymitragynine - Dry-Weight*	0.74 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: $\text{Dry Weight 7-Hydroxymitragynine (ppm)} = \frac{\text{7-Hydroxymitragynine (ppm)} \times (100 / (100 - \text{Moisture by Input (\%))})$

