FOOD & ENVIRONMENT SAFETY ANALYTICAL LAB

Sample ID: 81361005-1
Date Issued: 10/5/26

Certificate of Analysis

R&D
Report

175mg MIT - Banana Fudge

Client: Tops Kratom

Analysis Summary	Percent (%)	mg/serving
Mitragynine	17.81	148.87
7-OH Mitragynine	ND	ND
Paynantheine	1.59	13.27
Speciogynine	1.45	12.11
Speciociliatine	1.66	13.84
Corynantheidine	ND	ND
Mitraphylline	ND	ND
9-O-desmethyl Mitragynine	ND	ND
Corynoxine B	ND	ND
Ajmalicine	ND	ND
Isomitraphylline	ND	ND
Mitraciliatine	ND	ND
Mitragynine pseudoindoxyl	ND	ND
MGM-16	ND	ND
MGM-15	ND	ND
Total Quantified Alkaloids	22.51	188.09

Sample Name:
175mg MIT - Banana Fudge

Matrix:
Other

Unit Mass:
0.835 g per unit

Sample ID:
81361005-1

Date Received:
10/5/26

Approved By:
Marie True, M.S.
Laboratory Manager

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References: limit of quantitation (LOQ), not detected (ND), not tested (NT), R&D (Research and Development Test)

Certificate of Analysis

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Report

Kratom Alkaloid Analysis

Complete

Analyte	LOD (%)	LOQ (%)	Percent (%)	mg/serving
Mitragynine	**0.016**	**0.049**	**17.809**	**148.87**
7-OH Mitragynine	0.019	0.058	ND	ND
Paynantheine	**0.022**	**0.066**	**1.590**	**13.27**
Speciogynine	**0.019**	**0.056**	**1.451**	**12.11**
Speciociliatine	**0.018**	**0.054**	**1.658**	**13.84**
Corynantheidine	0.024	0.073	ND	ND
Mitraphylline	0.017	0.052	ND	ND
9-O-desmethyl Mitragynine	0.017	0.050	ND	ND
Corynoxine B	0.022	0.066	ND	ND
Ajmalicine	0.024	0.071	ND	ND
Isomitraphylline	0.019	0.057	ND	ND
Mitraciliatine	0.020	0.060	ND	ND
Mitragynine pseudoindoxyl	0.033	0.098	ND	ND
MGM-16	0.006	0.02	ND	ND
MGM-15	0.011	0.03	ND	ND
Total Quantified Alkaloids			**22.514**	**188.09**

Method References:

HPLC SOP K5316L - Diode Array Detector, Liquid Chromatography.