Certificate of Analysis

R&D
Report

175mg MIT - Cherry Lemonade

Client: Tops Kratom

Analysis Summary	Percent (%)	mg/serving
Mitragynine	18.12	139.12
7-OH Mitragynine	ND	ND
Paynantheine	2.45	18.85
Speciogynine	2.29	17.54
Speciociliatine	2.49	19.08
Corynantheidine	ND	ND
Mitraphylline	ND	ND
9-O-desmethyl Mitragynine	ND	ND
Corynoxine B	ND	ND
Ajmalicine	ND	ND
Isomitraphylline	ND	ND
Mitraciliatine	0.16	1.24
Mitragynine pseudoindoxyl	ND	ND
MGM-16	ND	ND
MGM-15	ND	ND
Total Quantified Alkaloids	25.51	195.83

Sample Name:
175mg MIT - Cherry Lemonade

Matrix:
Other

Unit Mass:
0.7677 g per unit

Sample ID:
81360925-3

Date Received:
9/25/26

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)

FOOD & ENVIRONMENT SAFETY ANALYTICAL LAB

Sample ID: 81360925-3
Date Issued: 9/27/26

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Kratom Alkaloid Analysis

Complete

Analyte	LOD (%)	LOQ (%)	Percent (%)	mg/serving
Mitragynine	**0.016**	**0.049**	**18.122**	**139.12**
7-OH Mitragynine	0.019	0.058	ND	ND
Paynantheine	**0.022**	**0.066**	**2.455**	**18.85**
Speciogynine	**0.019**	**0.056**	**2.285**	**17.54**
Speciociliatine	**0.018**	**0.054**	**2.485**	**19.08**
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**	**0.161**	**1.24**
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			**25.509**	**195.83**

Method References:

HPLC SOP K5316L - Diode Array Detector, Liquid Chromatography.