Certificate of Analysis

R&D
Report

175mg MIT - Orange Creamsicle

Client: Tops Kratom

Analysis Summary	Percent (%)	mg/serving
Mitragynine	19.26	147.12
7-OH Mitragynine	ND	ND
Paynantheine	2.60	19.86
Speciogynine	2.41	18.40
Speciociliatine	2.67	20.41
Corynantheidine	ND	ND
Mitraphylline	ND	ND
9-O-desmethyl Mitragynine	ND	ND
Corynoxine B	ND	ND
Ajmalicine	ND	ND
Isomitraphylline	ND	ND
Mitraciliatine	0.17	1.27
Mitragynine pseudoindoxyl	ND	ND
MGM-16	ND	ND
MGM-15	ND	ND
Total Quantified Alkaloids	27.11	207.06

Sample Name:
175mg MIT - Orange Creamsicle

Matrix:
Other

Unit Mass:
0.7638 g per unit

Sample ID:
81360925-2

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)

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Kratom Alkaloid Analysis

Complete

Analyte	LOD (%)	LOQ (%)	Percent (%)	mg/serving
Mitragynine	**0.016**	**0.049**	**19.262**	**147.12**
7-OH Mitragynine	0.019	0.058	ND	ND
Paynantheine	**0.022**	**0.066**	**2.600**	**19.86**
Speciogynine	**0.019**	**0.056**	**2.409**	**18.40**
Speciociliatine	**0.018**	**0.054**	**2.673**	**20.41**
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**	**0.166**	**1.27**
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			**27.109**	**207.06**

Method References:

HPLC SOP K5316L - Diode Array Detector, Liquid Chromatography.