

Certificate of Analysis

MGM Great Grape

Client: High Limit



Analysis Summary

	mg/serving
Mitragynine	23.251
7-OH Mitragynine	ND
Paynantheine	2.851
Speciogynine	1.965
Speciociliatine	0.924
Corynantheidine	ND
Mitraphylline	ND
9-O-desmethyl Mitragynine	ND
Corynoxine B	ND
Ajmalicine	ND
Isomitraphylline	ND
Mitraciliatine	1.771
Mitragynine pseudoindoxyl	ND
MGM-15 (CAS No. 1158901-38-2)	24.79
Total Quantified Alkaloids	55.55

Sample Name:

MGM Great Grape

Matrix:

Other

Serving Mass:

0.9885 g per serving

Sample ID:

85260527-1E

Date Received:

5/27/26

Marie

Approved By:

Marie True, M.S.

Laboratory Manager

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References: limit of quantitation (LOQ), not detected (ND), not tested (NT)

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Kratom Alkaloid Analysis

Complete

Analyte	LOD (%)	LOQ (%)	Mass (%)	Mass (mg/g)	Mass (mg/serving)	
Mitragynine	0.016	0.049	2.3522	23.522	23.25	
7-OH Mitragynine	0.019	0.058	ND	ND	ND	
Paynantheine	0.022	0.066	0.2884	2.884	2.85	
Speciogynine	0.019	0.056	0.1988	1.988	1.97	
Speciociliatine	0.018	0.054	0.0935	0.935	0.92	
Corynantheidine	0.024	0.073	ND	ND	ND	
Mitraphylline	0.017	0.052	ND	ND	ND	
9-O-desmethyl Mitragynine	0.017	0.050	ND	ND	ND	
Corynoxine B	0.022	0.066	ND	ND	ND	
Ajmalicine	0.024	0.071	ND	ND	ND	
Isomitraphylline	0.019	0.057	ND	ND	ND	
Mitraciliatine	0.020	0.060	0.1792	1.792	1.77	
Mitragynine pseudoindoxyl	0.033	0.098	ND	ND	ND	
MGM-15 (CAS No. 1158901-38-2)	0.011	0.03	2.508	25.08	24.79	
Total Quantified Alkaloids			5.6197	56.197	55.55	

Method References:

HPLC SOP K5316L - Diode Array Detector, Liquid Chromatography.