

Certificate of Analysis

MGM - 032326 - 001

Client: RED



Analysis Summary

	%
Mitragynine	1.314
7-OH Mitragynine	ND
Paynantheine	0.135
Speciogynine	ND
Speciociliatine	0.132
Corynantheidine	ND
Mitraphylline	ND
9-O-desmethyl Mitragynine	ND
Corynoxine B	ND
Ajmalicine	ND
Isomitraphylline	ND
Mitraciliatine	ND
Mitragynine pseudoindoxyl	0.25
MGM-15 (CAS No. 1158901-38-2)	97.04
Total Quantified Alkaloids	98.87

Sample Name:

MGM - 032326 - 001

Matrix:

Other

Unit Mass:

1 g per unit

Sample ID:

81360318-1

Date Received:

3/18/2026



Approved By:

Marie True, M.S.

Laboratory Manager

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

Certificate of Analysis

Kratom Alkaloid Analysis

Complete

Analyte	LOD (%)	LOQ (%)	Mass (%)	Mass (mg/g)
Mitragynine	0.016	0.049	1.314	13.14
7-OH Mitragynine	0.019	0.058	ND	ND
Paynantheine	0.022	0.066	0.135	1.35
Speciogynine	0.019	0.056	ND	ND
Speciociliatine	0.018	0.054	0.132	1.32
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	0.250	2.50
MGM-15 (CAS No. 1158901-38-2)	0.011	0.03	97.038	970.38
Total Quantified Alkaloids			98.869	

Method References:

HPLC SOP K5316L - Diode Array Detector, Liquid Chromatography.