

Certificate of Analysis

2000mg Grape

Client: RUSH

Analysis Summary

mg/serving

Mitragynine	8.761
7-OH Mitragynine	358.888
Paynantheine	ND
Speciogynine	ND
Speciociliatine	ND
Corynantheidine	ND
Mitraphylline	ND
9-O-desmethyl Mitragynine	ND
Corynoxine B	ND
Ajmalicine	ND
Isomitraphylline	ND
Mitraciliatine	ND
Mitragynine pseudoindoxyl	3.89
MGM-15 (CAS No. 1158901-38-2)	ND
Total Quantified Alkaloids	371.54

Sample Name:

2000mg Grape

Matrix:

Other

Serving Mass:

1.95 g per serving

Sample ID:

87060514-1E

Date Received:

5/14/26



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)	Mass (mg/serving)
Mitragynine	0.016	0.049	0.4493	4.493	8.76
7-OH Mitragynine	0.019	0.058	18.4045	184.045	358.89
Paynantheine	0.022	0.066	ND	ND	ND
Speciogynine	0.019	0.056	ND	ND	ND
Speciociliatine	0.018	0.054	ND	ND	ND
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	ND	ND	ND
Mitragynine pseudoindoxyl	0.033	0.098	0.199	1.99	3.89
MGM-15 (CAS No. 1158901-38-2)	0.011	0.03	ND	ND	ND
Total Quantified Alkaloids			19.0531	190.531	371.54

Method References:

HPLC SOP K5316L - Diode Array Detector, Liquid Chromatography.