

Certificate of Analysis

Green Apple 20mg

Client: Alkaloid Bros



Analysis Summary

	mg/serving
Mitragynine	0.401
7-OH Mitragynine	20.445
Paynantheine	0.138
Speciogynine	ND
Speciociliatine	0.292
Corynantheidine	0.206
Mitraphylline	ND
9-O-desmethyl Mitragynine	ND
Corynoxine B	ND
Ajmalicine	ND
Isomitraphylline	ND
Mitraciliatine	1.106
Mitragynine pseudoindoxyl	0.10
MGM-15 (CAS No. 1158901-38-2)	ND
Total Quantified Alkaloids	22.69

Analysis Overview

Residual Solvents & Processing Chemicals	Pass
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Sample Name:

Green Apple 20mg

Matrix:

Other

Serving Mass:

0.6405 g per serving

Sample ID:

75560512-3

Date Received:

5/12/26



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	0.0626	0.626	0.40
7-OH Mitragynine	0.019	0.058	3.1921	31.921	20.45
Paynantheine	0.022	0.066	0.0215	0.215	0.14
Speciogynine	0.019	0.056	ND	ND	ND
Speciociliatine	0.018	0.054	0.0456	0.456	0.29
Corynantheidine	0.024	0.073	0.0322	0.322	0.21
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	0.1727	1.727	1.11
Mitragynine pseudoindoxyl	0.033	0.098	0.016	0.16	0.10
MGM-15 (CAS No. 1158901-38-2)	0.011	0.03	ND	ND	ND
Total Quantified Alkaloids			3.5429	35.429	22.69

Residual Solvents Analysis

Pass

Analyte	LOQ (µg/g)	Limit (mg/g)	Mass (mg/g)	Status
Acetone	0.490	5.00	ND	Pass
Acetonitrile	0.460	0.41	ND	Pass
Benzene	0.590	0.00	ND	Pass
Butane	0.560	N/A	ND	N/A
Chloroform	0.510	0.06	ND	Pass
1,2-Dichloroethane	0.570	0.01	ND	Pass
Ethanol	0.470	5.00	ND	Pass
Ethyl Acetate	0.520	5.00	0.42	Pass
Ethyl Ether	0.480	5.00	ND	Pass
Ethylene Oxide	0.460	0.01	ND	Pass
Heptane	0.520	5.00	ND	Pass
n-Hexane	0.540	0.29	ND	Pass
Isopropanol	0.580	5.00	ND	Pass
Methanol	0.460	3.00	ND	Pass
Methylene Chloride	0.560	0.60	ND	Pass
Pentane	0.520	5.00	ND	Pass
Propane	0.510	N/A	ND	N/A
Toluene	0.480	0.89	ND	Pass
Trichloroethylene	0.520	0.08	ND	Pass
Xylenes	0.580	2.17	ND	Pass

Method References:

HPLC SOP K5316L - Diode Array Detector, Liquid Chromatography.

HSGCMS02 - Headspace Gas Chromatography with Mass Spectrometric Detection for Residual Solvents Panel