

Certificate of Analysis

Gold Rush Batch 002

Client: Alkaloid Bros



Analysis Summary

	%
Mitragynine	2.450
7-OH Mitragynine	71.045
Paynantheine	0.145
Speciogynine	ND
Speciociliatine	ND
Corynantheidine	0.455
Mitraphylline	ND
9-O-desmethyl Mitragynine	ND
Corynoxine B	ND
Ajmalicine	ND
Isomitraphylline	ND
Mitraciliatine	ND
Mitragynine pseudoindoxyl	0.31
MGM-15 (CAS No. 1158901-38-2)	ND
Total Quantified Alkaloids	74.40

Analysis Overview

Residual Solvents & Processing Chemicals	Pass
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Sample Name:

Gold Rush Batch 002

Matrix:

Other

Unit Mass:

1 g per unit

Sample ID:

75560506-1E

Date Received:

5/6/26



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)
Mitragynine	0.016	0.049	2.450	24.50
7-OH Mitragynine	0.019	0.058	71.045	710.45
Paynantheine	0.022	0.066	0.145	1.45
Speciogynine	0.019	0.056	ND	ND
Speciociliatine	0.018	0.054	ND	ND
Corynantheidine	0.024	0.073	0.455	4.55
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	0.307	3.07
MGM-15 (CAS No. 1158901-38-2)	0.011	0.03	ND	ND
Total Quantified Alkaloids			74.403	744.03

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	0.0050	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	0.0600	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