

Certificate of Analysis

Strawberry Mango MIT100mg

Client: Alkaloid Bros



Sample Name:

Strawberry Mango MIT100mg

Matrix:

Other

Serving Mass:

0.6301 g per serving

Sample ID:

75560624-5

Date Received:

6/24/2026

Marie

Approved By:

Marie True, M.S.

Laboratory Manager

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

Analysis Summary

	mg/serving
Mitragynine	86.543
7-OH Mitragynine	ND
Paynantheine	11.848
Speciogynine	6.494
Speciociliatine	2.847
Corynantheidine	ND
Mitraphylline	ND
9-O-desmethyl Mitragynine	ND
Corynoxine B	ND
Ajmalicine	ND
Isomitraphylline	ND
Mitraciliatine	0.167
Mitragynine pseudoindoxyl	ND
MGM-15 (CAS No. 1158901-38-2)	ND
Total Quantified Alkaloids	107.90

Analysis Overview

Residual Solvents & Processing Chemicals	Pass
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Certificate of Analysis

Kratom Alkaloid Analysis

Complete

Analyte	LOD (%)	LOQ (%)	Mass (%)	Mass (mg/g)	Mass (mg/serving)	
Mitragynine	0.016	0.049	13.7349	137.349	86.54	
7-OH Mitragynine	0.019	0.058	ND	ND	ND	
Paynantheine	0.022	0.066	1.8803	18.803	11.85	
Speciogynine	0.019	0.056	1.0306	10.306	6.49	
Speciociliatine	0.018	0.054	0.4518	4.518	2.85	
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	0.0265	0.265	0.17	
Mitragynine pseudoindoxyl	0.033	0.098	ND	ND	ND	
MGM-15 (CAS No. 1158901-38-2)	0.011	0.03	ND	ND	ND	
Total Quantified Alkaloids			17.1241	171.241	107.90	

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	0.022	Pass
Ethyl Acetate	0.520	5.00	0.508	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