

Certificate of Analysis

Blueberry Marshmallow 20/20

Client: Alkaloid Bros



Analysis Summary

	mg/serving
Mitragynine	13.175
7-OH Mitragynine	21.282
Paynantheine	1.676
Speciogynine	0.849
Speciociliatine	0.408
Corynantheidine	ND
Mitraphylline	ND
9-O-desmethyl Mitragynine	ND
Corynoxine B	ND
Ajmalicine	ND
Isomitraphylline	ND
Mitraciliatine	0.068
Mitragynine pseudoindoxyl	0.55
MGM-15 (CAS No. 1158901-38-2)	ND
Total Quantified Alkaloids	38.01

Analysis Overview

Residual Solvents & Processing Chemicals	Pass
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Sample Name:

Blueberry Marshmallow 20/20

Matrix:

Other

Serving Mass:

0.5671 g per serving

Sample ID:

75560624-8

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)

Certificate of Analysis

Kratom Alkaloid Analysis

Complete

Analyte	LOD (%)	LOQ (%)	Mass (%)	Mass (mg/g)	Mass (mg/serving)	
Mitragynine	0.016	0.049	2.3232	23.232	13.17	
7-OH Mitragynine	0.019	0.058	3.7527	37.527	21.28	
Paynantheine	0.022	0.066	0.2955	2.955	1.68	
Speciogynine	0.019	0.056	0.1497	1.497	0.85	
Speciociliatine	0.018	0.054	0.0719	0.719	0.41	
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	0.0119	0.119	0.07	
Mitragynine pseudoindoxyl	0.033	0.098	0.097	0.97	0.55	
MGM-15 (CAS No. 1158901-38-2)	0.011	0.03	ND	ND	ND	
Total Quantified Alkaloids			6.7020	67.020	38.01	

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	0.081	Pass
Ethyl Acetate	0.520	5.00	0.161	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