

Certificate of Analysis

Cap'n Crunch Berry 14mg

Client: Alkaloid Bros



Sample Name:

Cap'n Crunch Berry 14mg

Matrix:

Other

Serving Mass:

0.5333 g per serving

Sample ID:

75560624-2E

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	0.358
7-OH Mitragynine	15.595
Paynantheine	0.087
Speciogynine	ND
Speciociliatine	0.152
Corynantheidine	0.106
Mitraphylline	ND
9-O-desmethyl Mitragynine	ND
Corynoxine B	ND
Ajmalicine	ND
Isomitraphylline	ND
Mitraciliatine	ND
Mitragynine pseudoindoxyl	0.29
MGM-15 (CAS No. 1158901-38-2)	ND
Total Quantified Alkaloids	16.59

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	0.0670	0.670	0.36
7-OH Mitragynine	0.019	0.058	2.9242	29.242	15.59
Paynantheine	0.022	0.066	0.0163	0.163	0.09
Speciogynine	0.019	0.056	ND	ND	ND
Speciociliatine	0.018	0.054	0.0285	0.285	0.15
Corynantheidine	0.024	0.073	0.0199	0.199	0.11
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	0.054	0.54	0.29
MGM-15 (CAS No. 1158901-38-2)	0.011	0.03	ND	ND	ND
Total Quantified Alkaloids			3.1104	31.104	16.59

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	0.156	Pass
Ethyl Acetate	0.520	5.00	0.052	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