

Certificate of Analysis

Lunar Dust 003 91%

Client: Alkaloid Bros



Analysis Summary

	Percent (%)	mg/serving
Mitragynine	1.709	17.095
7-OH Mitragynine	79.968	799.678
Paynantheine	ND	ND
Speciogynine	ND	ND
Speciociliatine	0.376	3.763
Corynantheidine	0.304	3.042
Mitraphylline	ND	ND
9-O-desmethyl Mitragynine	ND	ND
Corynoxine B	ND	ND
Ajmalicine	ND	ND
Isomitraphylline	ND	ND
Mitraciliatine	ND	ND
Mitragynine pseudoindoxyl	0.662	6.620
MGM-15	ND	ND
Total Quantified Alkaloids	83.020	830.197

Analysis Overview

Residual Solvents & Processing Chemicals	Pass
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Sample Name:

Lunar Dust 003 91%

Matrix:

Other

Unit Mass:

1 g per unit

Sample ID:

75560812-1E

Date Received:

8/12/26

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 (%)	Percent (%)	mg/serving
Mitragynine	0.016	0.049	1.709	17.09
7-OH Mitragynine	0.019	0.058	79.968	799.68
Paynantheine	0.022	0.066	ND	ND
Speciogynine	0.019	0.056	ND	ND
Speciociliatine	0.018	0.054	0.376	3.76
Corynantheidine	0.024	0.073	0.304	3.04
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	0.662	6.62
MGM-15	0.011	0.03	ND	ND
Total Quantified Alkaloids			83.020	830.20

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	ND	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