FOOD & ENVIRONMENT SAFETY ANALYTICAL LAB

Date Issued: 5/1/26

Certificate of Analysis

DD00126BT(4)(1)

Analysis Summary	mg/serving
Mitragynine	85.285
7-OH Mitragynine	ND
Paynantheine	11.891
Speciogynine	8.244
Speciociliatine	5.558
Corynantheidine	ND
Mitraphylline	ND
9-O-desmethyl Mitragynine	ND
Corynoxine B	ND
Ajmalicine	ND
Isomitraphylline	ND
Mitraciliatine	0.097
Mitragynine pseudoindoxyl	ND
MGM-15 (CAS No. 1158901-38-2)	ND
Total Quantified Alkaloids	111.08

Analysis Overview

Residual Solvents & Processing Chemicals	**Pass**

Sample Name:
DD00126BT(4)(1)

Matrix:
Other

Serving Mass:
0.6278 g per serving

Date Received:
5/1/26

Approved By:
Marie True, M.S.
Laboratory Manager

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

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Kratom Alkaloid Analysis

Complete

Analyte	LOD (%)	LOQ (%)	Mass (%)	Mass (mg/g)	Mass (mg/serving)
Mitragynine	**0.016**	**0.049**	**13.5848**	**135.848**	**85.29**
7-OH Mitragynine	0.019	0.058	ND	ND	ND
Paynantheine	**0.022**	**0.066**	**1.8941**	**18.941**	**11.89**
Speciogynine	**0.019**	**0.056**	**1.3132**	**13.132**	**8.24**
Speciociliatine	**0.018**	**0.054**	**0.8853**	**8.853**	**5.56**
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**	**0.0154**	**0.154**	**0.10**
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			**17.6928**	**176.928**	**111.08**

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	0.0006	Pass
1,2-Dichloroethane	0.570	0.01	ND	Pass
Ethanol	0.470	5.00	ND	Pass
Ethyl Acetate	0.520	5.00	0.25	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