

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

This certificate of analysis is responsible for the tested sample only and is for research use only. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of FESA Labs. FESA Labs shall not be liable for any damage that may result from the data contained herein in any way. FESA Labs makes no claim to the efficacy, safety or other risks associated with any detected or non-detected amounts of any substances reported herein. If there are any questions with this report please email info@fesalabs.com. This certificate of analysis is intended only for the use of the party to whom it is addressed and may contain information that is confidential or protected from disclosure under applicable law. If you have received this document in error, please immediately contact us.

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	13.5848	135.848	85.29	<div style="width: 100%; height: 10px; background-color: green;"></div>
7-OH Mitragynine	0.019	0.058	ND	ND	ND	
Paynantheine	0.022	0.066	1.8941	18.941	11.89	<div style="width: 80%; height: 10px; background-color: green;"></div>
Speciogynine	0.019	0.056	1.3132	13.132	8.24	<div style="width: 60%; height: 10px; background-color: green;"></div>
Speciociliatine	0.018	0.054	0.8853	8.853	5.56	<div style="width: 40%; height: 10px; background-color: green;"></div>
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