FOOD & ENVIRONMENT SAFETY ANALYTICAL LAB

Date Issued: 11/3/26

Certificate of Analysis

Analysis Summary	Percent %	mg/serving
Methysticin	1.025	18.104
Kavain + Dihydromethysticin (Combined)	2.077	36.690
Dihydrokavain	1.718	30.335
Desmethoxyyangonin	0.680	12.009
Yangonin	0.679	11.989
Flavokawain C	ND	ND
Flavokawain A	0.064	1.138
Flavokawain B	0.079	1.390
Total Quantified Kavalactones	6.322	111.654

Matrix:

Other

Serving Mass:

1.7662 g per serving

Analysis Overview

Residual Solvents & Processing Chemicals	**Pass**

Date Received:

10/30/26

Marie

Reviewed By:

Marie True, M.S.

Laboratory Manager

This Certificate of Analysis (COA) applies exclusively to the sample identified herein and is provided solely for research and development (R&D) and quality assurance (QA) purposes. Results do not represent any other lot, batch, or product supplied by the client. Sampling was not performed by FESA Labs. This COA is not a regulatory compliance certificate and does not certify compliance with any federal, state, or local law or regulation, including but not limited to the 2018 Farm Bill. No regulatory compliance determination has been made in connection with this report. This COA is provided solely for informational purposes and is not intended for reliance by consumers or purchasers, or for any legal purpose. This COA may not be used, in whole or in part, for commercial promotion, advertising, or product labeling without prior written consent from FESA Labs. 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. This COA may not be reproduced except in its entirety without the prior written approval from FESA Labs. This COA reflects the results of testing performed on the identified sample and is valid as of its date of issuance, without guaranteeing the tested sample's stability or continued conformity beyond that date. This COA is intended solely for the addressed party and may contain confidential or legally protected information. If received in error or if you have questions regarding this report, please contact FESA Labs at info@fesalabs.com.

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

Certificate of Analysis

Alkaloid Analysis

Complete

Test	LOD (ppm)	LOQ (ppm)	Mass (%)	mg/serving
Methysticin	**1.041**	**3.12**	**1.025**	**18.10**
Kavain + Dihydromethysticin (Combined)	**1.041**	**3.12**	**2.077**	**36.69**
Dihydrokavain	1.041	3.12	**1.718**	**30.33**
Desmethoxyyangonin	1.041	3.12	**0.680**	**12.01**
Yangonin	1.041	3.12	**0.679**	**11.99**
Flavokawain C	1.041	3.12	**ND**	**ND**
Flavokawain A	1.041	3.12	**0.064**	**1.14**
Flavokawain B	1.041	3.12	**0.079**	**1.39**
Total Quantified Kavalactones			6.32	111.65

Certificate of Analysis

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:

HPLCUVKAV01 - High Pressure Liquid Chromatography with UV Detection for Kava Alkaloids
HPLC SOP K5316L - Diode Array Detector, Liquid Chromatography.
HSGCMS02 - Headspace Gas Chromatography with Mass Spectrometric Detection for Residual Solvents Panel