FOOD & ENVIRONMENT SAFETY ANALYTICAL LAB

Date Issued: 11/3/26

Certificate of Analysis

Analysis Summary	Percent %	mg/serving
Methysticin	1.553	9.908
Kavain + Dihydromethysticin (Combined)	3.052	19.478
Dihydrokavain	2.510	16.017
Desmethoxyyangonin	1.175	7.500
Yangonin	0.931	5.939
Flavokawain C	ND	ND
Flavokawain A	0.071	0.452
Flavokawain B	0.118	0.755
Total Quantified Kavalactones	9.411	60.049

Matrix:

Other

Serving Mass:

0.6381 g per serving

Analysis Overview

Residual Solvents & Processing Chemicals	**Pass**

Date Received:

10/30/26

Marie

Reviewed 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

Alkaloid Analysis

Complete

Test	LOD (ppm)	LOQ (ppm)	Mass (%)	mg/serving
Methysticin	**1.041**	**3.12**	**1.553**	**9.91**
Kavain + Dihydromethysticin (Combined)	**1.041**	**3.12**	**3.052**	**19.48**
Dihydrokavain	1.041	3.12	**2.510**	**16.02**
Desmethoxyyangonin	1.041	3.12	**1.175**	**7.50**
Yangonin	1.041	3.12	**0.931**	**5.94**
Flavokawain C	1.041	3.12	**ND**	**ND**
Flavokawain A	1.041	3.12	**0.071**	**0.45**
Flavokawain B	1.041	3.12	**0.118**	**0.75**
Total Quantified Kavalactones			9.41	60.05

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