

Botany Evolution LLC

2510 Kirby Circle NE

Palm Bay, FL 32945

321-802-4583

Certificate Of Analysis

Sample Identification Information

Date of Analysis 2/5/2025

Sample: S2225

Product Name CHIEF INSTANT

Lot# SIK2412-CI2

Country of Origin VANUATU

Country of Processing USA

Manufacture Date Feb-25

Best By Date Feb-28

General Product Specifications

Product Species Piper Methysticum

Part Used Root

Common Names Kava kava, Awa, Yagona

Appearance Yellow, Brown, beige powder

Analyzed Characteristics

Specification

Result

Test Method

Standardization

2-17% Kavalactones

6.39%

HPLC

Identification

Complies by HPLC

Conform

HPLC

Kavalactone Profile

Noble

PASS

HPLC

Mesh Size

60-30

60

Sieve

Color

Beige to Yellow

Pass

Visual

Odor

Pass

Organoleptic

Taste

Pass

Organoleptic

Chemotype

245361

HPLC

K/DHM

TUDEI < 1.2 > NOBLE

1.1

Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2353.051			
Methysticin	M	1	2.21	608.895	12.17%	0.80%	6
Dihydromethysticin	DHM	2	3.38	576.709	11.53%	1.15%	5
Kavain	K	3	1	2171.107	43.41%	1.29%	4
Dihydrokavain	DHK	4	3.48	938.638	18.77%	1.93%	2
Desmethoxyyangonin	DMY	5	2.52	243.281	4.86%	0.36%	1
Yangonin	Y	6	3.12	463.32	9.26%	0.86%	3
Kavalactones			Total:	5001.945	100.00%	6.39%	245361

*See data in attachment HPLC1100 Agilent Certificate with Chromatogram graph.

This result are in house tested and the best of our knowledge and experience. Using calibrated equipment.

We are dedicated to offer the best Quality of Botanical products on the market. We test and stand behind our products.

Disclaimer* the test results are accurate to the best of our knowledge and are based upon reputable laboratory and industry standard testing methods.

These results should not be used as a final determination for use in a finished product. It is recommended that you verify these test results with an in house quality control department or obtain an additional independent third party lab to verify that this material meets specifications

Botany Evolution, its board of directors, contract laboratories, employees, and affiliates are held harmless from any loss or damages resulting from the use or misuse of this document. The appropriate use of this product is the sole responsibility of the user of the purchasing party.

Chemist

Hustle Youngs

Date

2/11/25

SAMPLE S2225
Vial 18

0.75199g/50mL

wavelength 246 nm

C:\CHEM32\1\DATA\KAVA_02_05_2025_15MINSTDTESTMETHOD 2025-02-05 16-17-08\01->
SEQUENCE C:\CHEM32\1\DATA\KAVA_02_05_2025_ -->

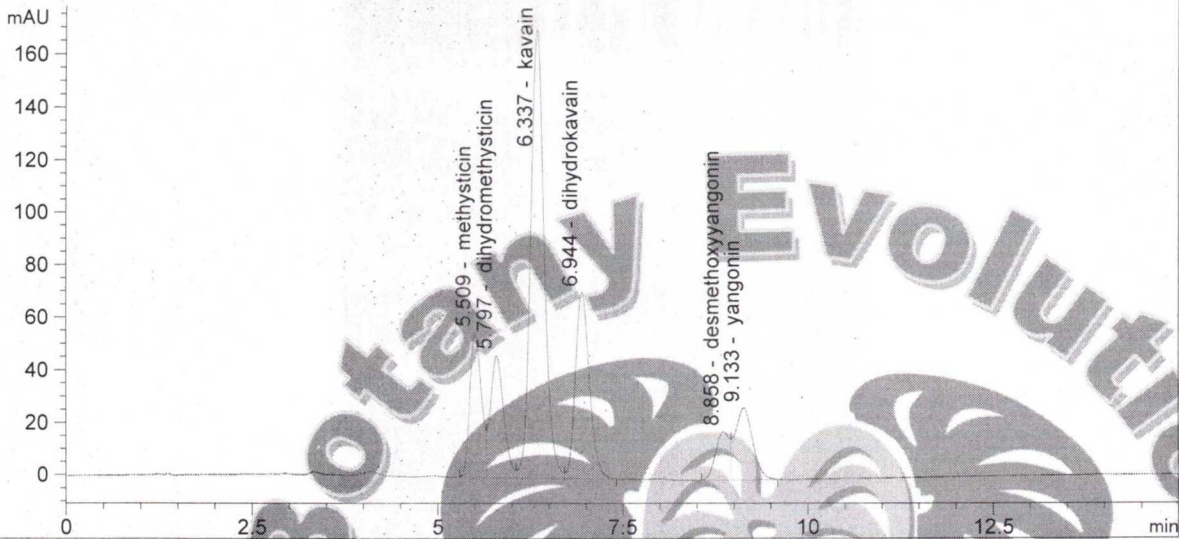
Injection date 2/5/2025

Injection time 9:56:50 PM

Acq. operator KRISTL

Method C:\CHEM32\1\DATA\KAVA_02_05_202->

DAD1 C, Sig=246,10 Ref=500.60 (KAVA_02_05_2025_15MINSTDTESTMETHOD 2025-02-05 16-17-08\018-1801.D)



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	methysticin	5.509	608.895	12.17	0.000
2	dihydromethysticin	5.797	576.709	11.53	0.000
3	kavain	6.337	2171.107	43.41	0.000
4	dihydrokavain	6.944	938.633	18.77	0.000
5	desmethoxyyangonin	8.858	243.281	4.86	0.000
6	yangonin	9.133	463.320	9.26	0.000

2/11/25
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