

Botany Evolution LLC

2510 Kirby Circle NE

Palm Bay, FL 32945

321-802-4583

Certificate Of Analysis

Sample Identification Information

Date of Analysis 10/26/2023

Sample: S2012

Product Name CHIEF LATERAL

Lot# SIK2309-CLR10

Country of Origin SOLOMON ISLANDS

Country of Processing USA

Manufacture Date Sep-23

Best By Date Sep-26

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

16.94%

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

245631

HPLC

K/DHM

1.7

Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2346.424			
Methysticin	M	1	2.21	1661.481	12.30%	2.05%	6
Dihydromethysticin	DHM	2	3.38	1159.333	8.58%	2.11%	5
Kavain	K	3	1	6184.146	45.79%	3.49%	4
Dihydrokavain	DHK	4	3.08	2500.181	18.51%	5.94%	2
Desmethoxyyangonin	DMY	5	2.52	925.271	6.85%	1.43%	1
Yangonin	Y	6	3.12	1076.006	7.97%	1.92%	3
Kavalactones			Total:	13506.418	100.00%	16.94%	245631

See data in attachment HPLC1100 Agilent Certificate with Chromatogram graph.

These results are in house tested and the best of our knowledge and experience. Using calibrated equipment.

Botany Evolution LLC is 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

Mustel Youngs

Date

10/27/23

SAMPLE S2012
Vial 13

0.75249g/50mL

wavelength 246 nm

C:\CHEM32\1\DATA\KAVA_10_26_2023_15MINSTDTESTMETHOD 2023-10-26 16-48-22\01->

SEQUENCE C:\CHEM32\1\DATA\KAVA_10_26_2023_ ->

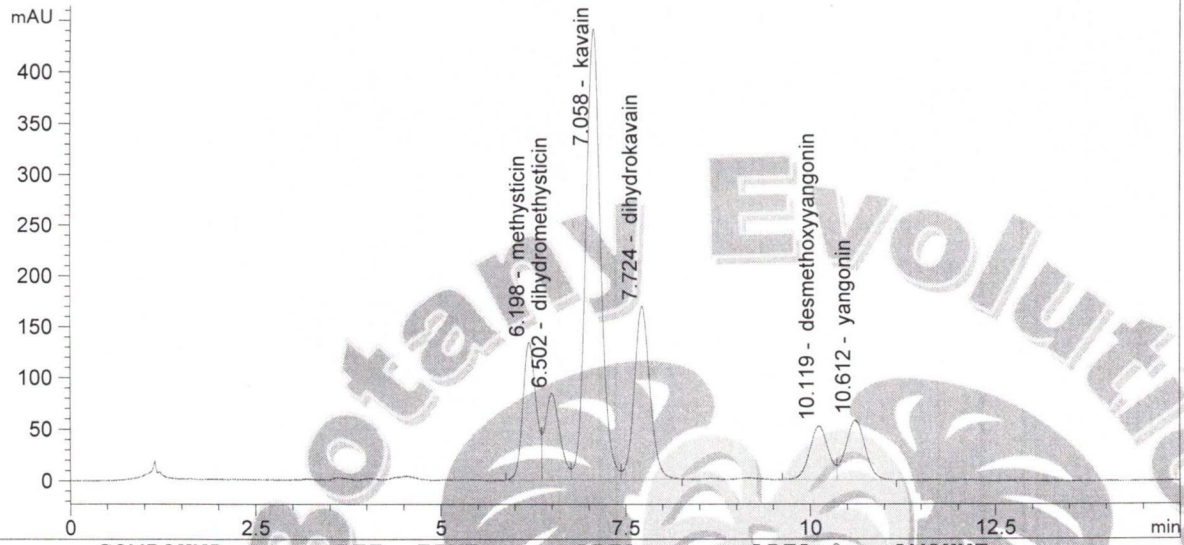
Injection date 10/26/2023

Injection time 9:09:52 PM

Acq. operator KRISTL

Method C:\CHEM32\1\DATA\KAVA_10_26_202->

DAD1 C, Sig=246,10 Ref=500,60 (KAVA_10_26_2023_15MINSTDTESTMETHOD 2023-10-26 16-48-22\013-1301.D)



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
	methysticin	6.198	1661.481	12.30	0.000
	dihydromethysticin	6.502	1159.333	8.58	0.000
	kavain	7.058	6184.146	45.79	0.000
	dihydrokavain	7.724	2500.181	18.51	0.000
	desmethoxyyangonin	10.119	925.271	6.85	0.000
	yangonin	10.612	1076.006	7.97	0.000

10/27/23
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