

# Botany Evolution LLC

1510 Kirby Circle NE

Palm Bay, FL 32945

321-802-4583

## Certificate Of Analysis

### Sample Identification Information

Date of Analysis 6/6/2022

Sample: S1589

Product Name KADAVU WAKA

Lot# FKK220603KW

Country of Origin FIJI

Country of Processing USA

Manufacture Date 06/03/22

Best By Date 06/03/25

### General Product Specifications

Product Species Piper Methysticum

Part Used Root

Common Names Kava kava, Awa, Yagona

Appearance Yellow, beige powder

### Analyzed Characteristics

#### Specification

#### Result

#### Test Method

Standardization

2-17% Kavalactones

8.68%

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

426351

HPLC

K/DHM

2.1

Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2266.647			
Methysticin	M	1	2.21	1303.959	17.09%	1.60%	6
Dihydromethysticin	DHM	2	3.38	555.642	7.28%	1.00%	5
Kavain	K	3	1	3726.948	48.86%	2.09%	4
Dihydrokavain	DHK	4	3.08	819.543	10.74%	1.93%	2
Desmethoxyyangonin	DMY	5	2.52	447.566	5.87%	0.69%	1
Yangonin	Y	6	3.12	774.799	10.16%	1.37%	3
Kavalactones			<b>Total:</b>	<b>7628.457</b>	<b>100.00%</b>	<b>8.68%</b>	<b>426351</b>

\*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

*Aurice Youngs*

Date

*6/8/22*

SAMPLE S1589  
Vial 12

0.75397g/50mL

wavelength 246 nm

:\CHEM32\1\DATA\KAVA\_06\_06\_2022\_15MINSTDTESTMETHOD 2022-06-06 16-23-00\01->

SEQUENCE C:\CHEM32\1\DATA\KAVA\_06\_06\_2022\_ ->

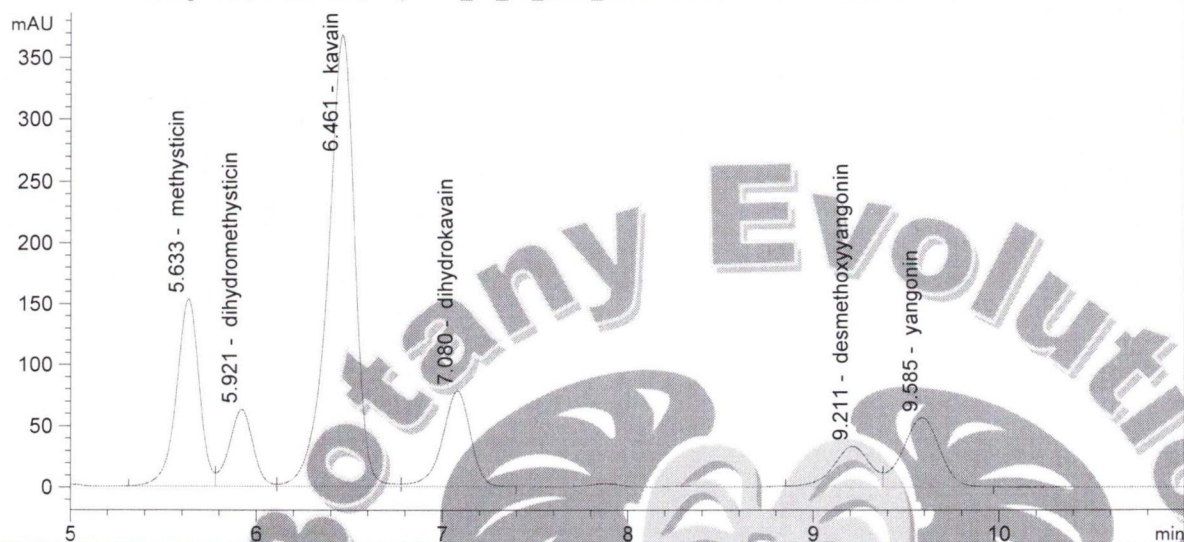
Injection date 6/6/2022

Injection time 8:25:18 PM

Operator KRISTL

Method C:\CHEM32\1\DATA\KAVA\_06\_06\_202->

DAD1 C, Sig=246,10 Ref=500,60 (KAVA\_06\_06\_2022\_15MINSTDTESTMETHOD 2022-06-06 16-23-00\012-1201.D)



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	methysticin	5.633	1303.959	17.09	0.000
2	dihydromethysticin	5.921	555.642	7.28	0.000
3	kavain	6.461	3726.948	48.86	0.000
4	dihydrokavain	7.080	819.543	10.74	0.000
5	desmethoxyyangonin	9.211	447.566	5.87	0.000
6	yangonin	9.585	774.799	10.16	0.000

6/8/22  
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