

Botany Evolution LLC

2510 Kirby Circle NE

Palm Bay, FL 32945

321-802-4583

Certificate Of Analysis**Sample Identification Information**Date of Analysis 4/21/2022Sample: S1538Product Name SAVUSAVU WAKALot# FKK220419SWCountry of Origin

FIJI

Country of Processing

USA

Manufacture Date

04/19/22

Best By Date

04/19/25

General Product SpecificationsProduct Species Piper MethysticumPart Used RootCommon Names

Kava kava, Awa, Yagona

Appearance

Yellow, beige powder

Analyzed Characteristics**Specification****Result****Test Method**Standardization

2-17% Kavalactones

10.24%

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

1.9

Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2338.666			
Methysticin	M	1	2.21	1608.136	18.22%	1.98%	6
Dihydromethysticin	DHM	2	3.38	697.027	7.90%	1.27%	5
Kavain	K	3	1	4169.212	47.23%	2.34%	4
Dihydrokavain	DHK	4	3.08	984.81	11.16%	2.33%	2
Desmethoxyyangonin	DMY	5	2.52	474.557	5.38%	0.73%	1
Yangonin	Y	6	3.12	894.243	10.13%	1.59%	3
Kavalactones			Total:	8827.985	100.00%	10.24%	426351

See data in attachment HPLC1100 Agilent Certificate with Chromatogram graph.

This result is 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

Wesley Youngs

Date

4/22/22

SAMPLE S1538
Vial 15

0.75727g/50mL

wavelength 246 nm

:\CHEM32\1\DATA\KAVA_04_21_2022_15MINSTDTESTMETHOD 2022-04-21 15-42-06\01->
SEQUENCE C:\CHEM32\1\DATA\KAVA_04_21_2022_ ->

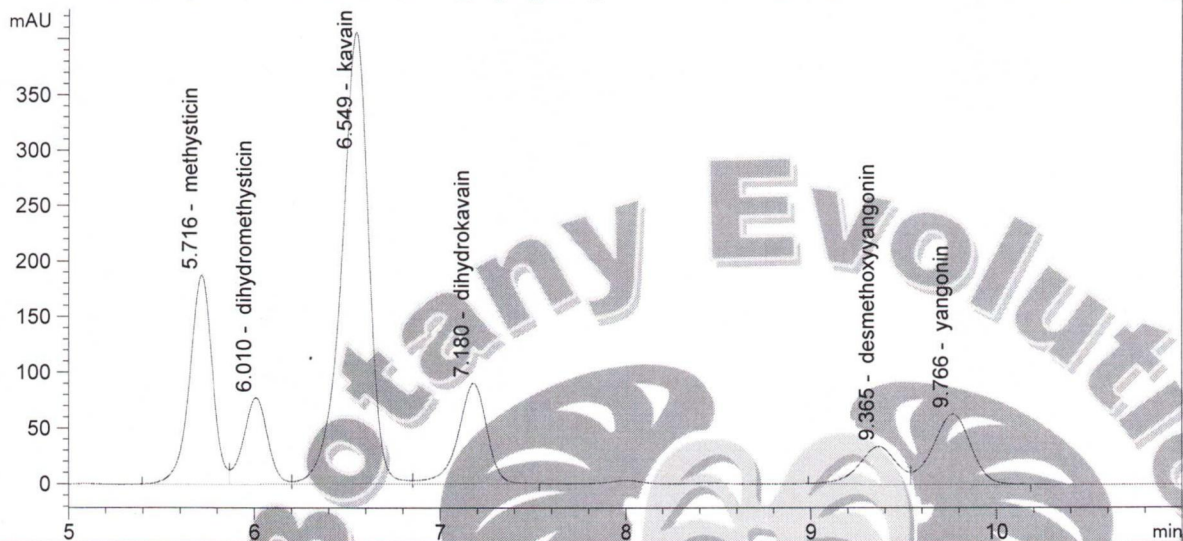
Injection date 4/21/2022

Injection time 8:33:30 PM

Acq. operator KRISTL

Method C:\CHEM32\1\DATA\KAVA_04_21_202->

DAD1 C, Sig=246,10 Ref=500,60 (KAVA_04_21_2022_15MINSTDTESTMETHOD 2022-04-21 15-42-06\015-1501.D)



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
	methysticin	5.716	1608.136	18.22	0.000
	dihydromethysticin	6.010	697.027	7.90	0.000
	kavain	6.549	4169.212	47.23	0.000
	dihydrokavain	7.180	984.810	11.16	0.000
	desmethoxyyangonin	9.365	474.557	5.38	0.000
	yangonin	9.766	894.243	10.13	0.000

4/22/22
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