

**Botany Evolution LLC**

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**Certificate Of Analysis****Sample Identification Information**Date of Analysis 11/16/2016Sample: S0062Product Name Savu Savu LewenaLot# FSS20161005LCountry of Origin FijiCountry of Processing USAManufacture Date 05-Oct-16Expiration Date 05-Oct-19**General Product Specifications**Product Species Piper MethysticumPart Used RootCommon Names Kava kava, Awa, YagonaAppearance Beige powder**Analyzed Characteristics****Specification****Result****Method**Standardization

2-15% Kavalactones

2.64%

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

462531

HPLC

Kavalactones	Chemotype Identifier	Correction Factor	Peaks Ref.	Area *	Area %	Corrected Kavalactones
Methysticin	<b>6</b>	0.663	1	758.944	16.37%	0.26%
Dihydromethysticin	<b>5</b>	1.65	2	417.916	9.02%	0.36%
Kavain	<b>4</b>	1	3	2272.919	49.04%	1.19%
Dihydrokavain	<b>2</b>	1.7	4	629.863	13.59%	0.56%
Desmethoxyyangonin	<b>1</b>	0.904	5	189.517	4.09%	0.09%
Yangonin	<b>3</b>	0.878	6	366.092	7.90%	0.17%
			<b>Total:</b>	<b>4635.251</b>	<b>100.00%</b>	<b>2.64%</b>

\*See data in attachment HPLC1100 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.

SAMPLE S0062  
Vial 12

WT 0.76089

wavelength 246 nm

C:\CHEM32\1\DATA\KAVA\_BATCH\_STD\_TEST\_15MINMETHOD 2016-11-16 18-32-22\012- ->

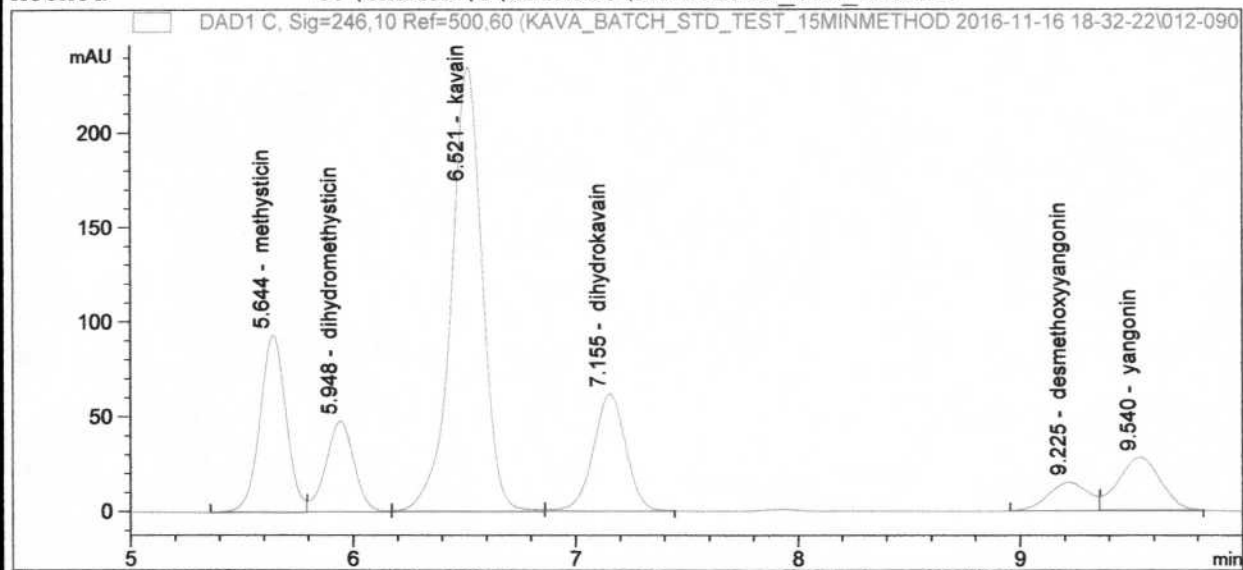
SEQUENCE C:\CHEM32\1\DATA\KAVA\_BATCH\_STD\_TEST\_ ->

Injection date 11/16/2016

Injection time 9:30:40 PM

Acq. operator KRISTL

Method C:\CHEM32\1\METHODS\KAVA15MIN\_STD\_TEST.M



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
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1	methysticin	5.644	758.944	16.373	0.05
2	dihydromethysticin	5.948	417.916	9.016	0.04
3	kavain	6.521	2272.919	49.036	0.86
4	dihydrokavain	7.155	629.863	13.589	0.16
5	desmethoxyyangonin	9.225	189.517	4.089	0.01
6	yangonin	9.540	366.092	7.898	0.03