

**Botany Evolution LLC**

2510 Kirby Circle NE

Palm Bay, FL 32945

321-802-4583

**Certificate Of Analysis****Sample Identification Information**Date of Analysis 2/26/2018Sample: S0347Product Name HEADHUNTERLot# SIV180203YHCountry of Origin

SOLOMON ISLANDS

Country of Processing

SOLOMON ISLANDS

Manufacture Date

02/03/18

Expiration Date

02/03/21

**General Product Specifications**Product Species Piper MethysticumPart Used RootCommon Names

Kava kava, Awa, Yagona

Appearance

Beige powder

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

2-15% 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

245631

HPLC

K/DHM

1.60

Calculation

Kavalactones	Code	Peaks Ref.	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2977.94			
Methysticin	M	1	2.19	1047.713	11.06%	1.10%	6
Dihydromethysticin	DHM	2	3.23	835.671	8.82%	1.29%	5
Kavain	K	3	1	4318.827	45.59%	2.06%	4
Dihydrokavain	DHK	4	4.21	1961.639	20.71%	3.94%	2
Desmethoxyyangonin	DMY	5	2.74	623.566	6.58%	0.82%	1
Yangonin	Y	6	3.16	686.402	7.25%	1.04%	3
Kavalactones			<b>Total:</b>	<b>9473.818</b>	<b>100.00%</b>	<b>10.24%</b>	<b>245631</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.

*Muste Youngs 2/26/18*

SAMPLE S0347  
Vial 11

0.75258g/50ML

wavelength 246 nm

C:\CHEM32\1\DATA\KAVA\_2\_26\_2018\_15MINSTDTESTMETHOD 2018-02-26 14-27-08\011->

SEQUENCE C:\CHEM32\1\DATA\KAVA\_2\_26\_2018\_ ->

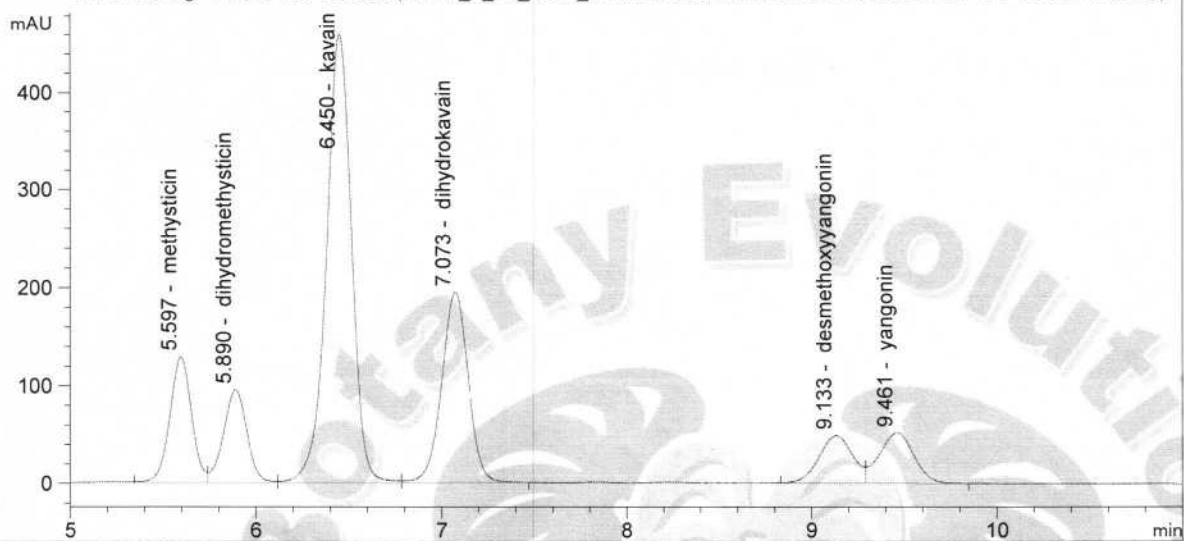
Injection date 2/26/2018

Injection time 3:48:48 PM

Acq. operator KRISTL

Method C:\Chem32\1\METHODS\KAVA15MIN\_STD\_TEST.M

DAD1 C, Sig=246,10 Ref=500,60 (KAVA\_2\_26\_2018\_15MINSTDTESTMETHOD 2018-02-26 14-27-08\011-0401.D)



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	methysticin	5.597	1047.713	11.06	0.000
2	dihydromethysticin	5.890	835.671	8.82	0.000
3	kavain	6.450	4318.827	45.59	0.000
4	dihydrokavain	7.073	1961.639	20.71	0.001
5	desmethoxyyangonin	9.133	623.566	6.58	0.000
6	yangonin	9.461	686.402	7.25	0.000

*Handwritten signature:* 2/26/18  
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