

# Botany Evolution LLC

2510 Kirby Circle NE

Palm Bay, FL 32945

321-802-4583

## Certificate Of Analysis

### Sample Identification Information

Date of Analysis 1/26/2018

Sample: S0327

Product Name HEADHUNTER

Lot# SIV180106H

Country of Origin SOLOMON ISLANDS

Country of Processing SOLOMON ISLANDS

Manufacture Date 01/06/18

Expiration Date 01/06/21

### General Product Specifications

Product Species Piper Methysticum

Part Used Root

Common Names Kava kava, Awa, Yagona

Appearance Beige powder

### Analyzed Characteristics

#### Specification

#### Result

#### Test Method

Standardization

2-15% Kavalactones

10.86%

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

243561

HPLC

K/DHM

2.16

Calculation

Kavalactones	Code	Peaks Ref.	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2979.675			
Methysticin	M	1	2.19	998.59	9.39%	1.03%	6
Dihydromethysticin	DHM	2	3.23	758.022	7.12%	1.15%	5
Kavain	K	3	1	5288.912	49.71%	2.48%	4
Dihydrokavain	DHK	4	4.21	2038.863	19.16%	4.03%	2
Desmethoxyyangonin	DMY	5	2.74	712.835	6.70%	0.92%	1
Yangonin	Y	6	3.16	841.753	7.91%	1.25%	3
Kavalactones			<b>Total:</b>	<b>10638.975</b>	<b>100.00%</b>	<b>10.86%</b>	<b>243561</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.

SAMPLE S0327  
 Vial 18

0.76442g/50ml

wavelength 246 nm

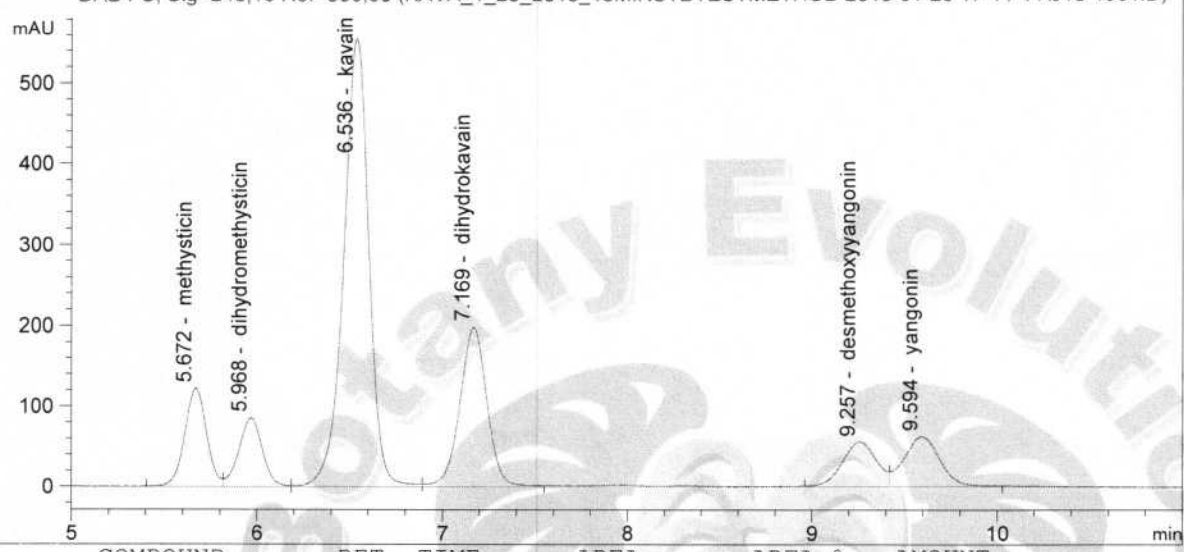
C:\CHEM32\1\DATA\KAVA\_1\_26\_2018\_15MINSTDTESTMETHOD 2018-01-26 17-11-11\018->  
 SEQUENCE C:\CHEM32\1\DATA\KAVA\_1\_26\_2018\_ ->

Injection date 1/26/2018  
 Injection time 11:06:23 PM

Acq. operator KRISTL

Method C:\CHEM32\1\METHODS\KAVA15MIN STD TEST.M

DAD1 C, Sig=246,10 Ref=500,60 (KAVA\_1\_26\_2018\_15MINSTDTESTMETHOD 2018-01-26 17-11-11\018-1901.D)



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	methysticin	5.672	998.590	9.39	0.000
2	dihydromethysticin	5.968	758.022	7.12	0.000
3	kavain	6.536	5288.912	49.71	0.000
4	dihydrokavain	7.169	2038.863	19.16	0.001
5	desmethoxyyangonin	9.257	712.835	6.70	0.000
6	yangonin	9.594	841.753	7.91	0.000

1/29/18  
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