

Botany Evolution LLC

2510 Kirby Circle NE

Palm Bay, FL 32945

321-802-4583

Certificate Of Analysis**Sample Identification Information**

Date of Analysis 5/2/2017
Sample: S0108
Product Name GOLD KAVA
Lot# SVH170409G

Country of Origin SOLOMON ISLANDS
Country of Processing SOLOMON ISLANDS
Manufacture Date 04/09/17
Expiration Date 04/09/20

General Product Specifications

Product Species Piper Methysticum
Part Used Root

Common Names Kava kava, Awa, Yagona
Appearance Beige powder

<u>Analyzed Characteristics</u>	<u>Specification</u>	<u>Result</u>	<u>Test Method</u>
<u>Standardization</u>	2-15% Kavalactones	13.53%	HPLC
<u>Identification</u>	Complies by HPLC	Conform	HPLC
<u>Kavalactone Profile</u>	Noble	PASS	HPLC
<u>Mesh Size</u>	60-30	60	Sieve
<u>Color</u>	Beige to Yellow	Pass	Visual
<u>Odor</u>		Pass	Organoleptic
<u>Taste</u>		Pass	Organoleptic
<u>Chemotype</u>		245361	HPLC
<u>K/DHM</u>		1.90	Calculation

Kavalactones	Code	Peaks Ref.	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2762.93			
Methysticin	M	1	2.19	1282.479	10.60%	1.42%	6
Dihydromethysticin	DHM	2	3.23	938.59	7.76%	1.54%	5
Kavain	K	3	1	5756.686	47.60%	2.92%	4
Dihydrokavain	DHK	4	4.21	2334.613	19.30%	4.98%	2
Desmethoxyyangonin	Y	5	2.74	826.788	6.84%	1.15%	1
Yangonin	DMY	6	3.16	955.138	7.90%	1.53%	3
Kavalactones			Total:	12094.294	100.00%	13.53%	245361

*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 S0108
Vial 6

WT 0.76465G/50ML

wavelength 246 nm

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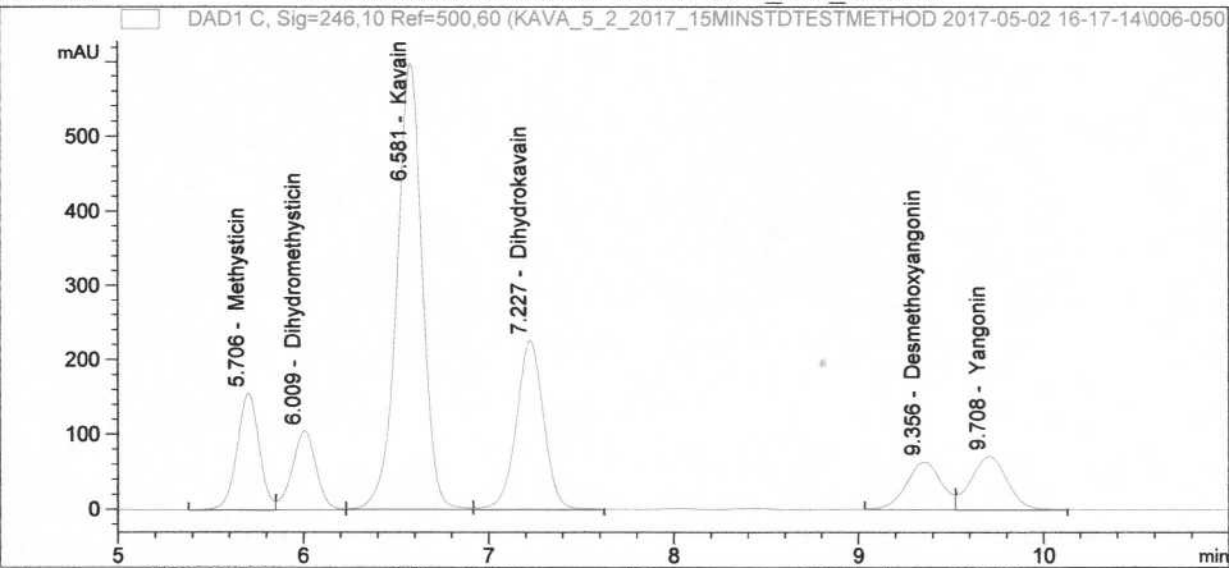
SEQUENCE C:\CHEM32\1\DATA\KAVA_5_2_2017_ ->

Injection date 5/2/2017

Injection time 6:11:00 PM

Acq. operator KRISTL

Method C:\CHEM32\1\METHODS\KAVA15MIN_STD_TEST.M



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	Methysticin	5.706	1282.479	10.60	0.000
2	Dihydromethysticin	6.009	938.590	7.76	0.000
3	Kavain	6.581	5756.686	47.60	0.000
4	Dihydrokavain	7.227	2334.613	19.30	0.002
5	Desmethoxyangonin	9.356	826.788	6.84	0.000
6	Yangonin	9.708	955.138	7.90	0.000