

**Botany Evolution LLC**

2510 Kirby Circle NE

Palm Bay, FL 32945

321-802-4583

**Certificate Of Analysis****Sample Identification Information**Date of Analysis 5/23/2019Sample: S0671Product Name GOLD LATERALLot# SIV190424YLRCountry of Origin

SOLOMON ISLANDS

Country of Processing

SOLOMON ISLANDS

Manufacture Date

04/24/19

Best By Date

04/24/22

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

Kava kava, Awa, Yagona

Appearance

Yellow powder

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

2-17% Kavalactones

15.92%

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

1.72

Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2374.827			
Methysticin	M	1	2.21	1521.509	11.81%	1.84%	6
Dihydromethysticin	DHM	2	3.38	1067.352	8.29%	1.90%	5
Kavain	K	3	1	5922.939	45.98%	3.27%	4
Dihydrokavain	DHK	4	3.08	2591.007	20.11%	6.02%	2
Desmethoxyyangonin	DMY	5	2.52	893.176	6.93%	1.35%	1
Yangonin	Y	6	3.12	886.005	6.88%	1.54%	3
Kavalactones			<b>Total:</b>	<b>12881.988</b>	<b>100.00%</b>	<b>15.92%</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.

Chemist

*Misti Young*

Date

5/24/19

SAMPLE S0671  
Vial 21

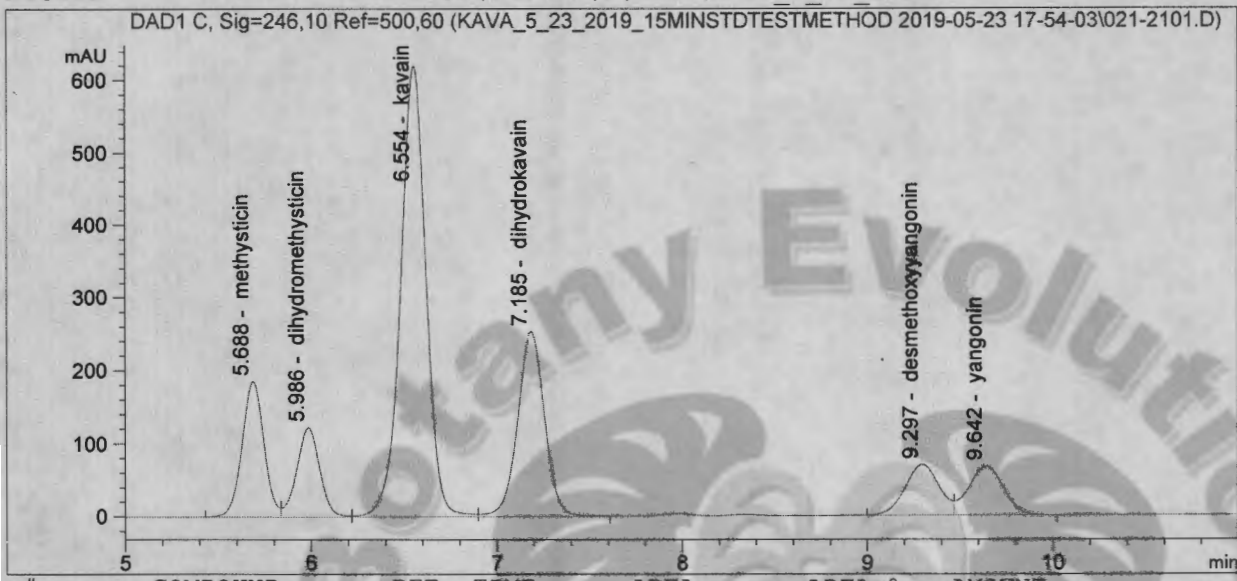
0.76007g/50ml

wavelength 246 nm

C:\CHEM32\1\DATA\KAVA\_5\_23\_2019\_15MINSTDTESTMETHOD 2019-05-23 17-54-03\021->  
SEQUENCE C:\CHEM32\1\DATA\KAVA\_5\_23\_2019\_ ->

Injection date 5/24/2019  
Injection time 12:22:17 AM  
Acq. operator KRISTL

Method C:\CHEM32\1\DATA\KAVA\_5\_23\_201->



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	methysticin	5.688	1521.509	11.81	0.000
2	dihydromethysticin	5.986	1067.352	8.29	0.000
3	kavain	6.554	5922.939	45.98	0.000
4	dihydrokavain	7.185	2591.007	20.11	0.001
5	desmethoxyyangonin	9.297	893.176	6.93	0.000
6	yangonin	9.642	886.005	6.88	0.000

5/24/19  
K