

**Botany Evolution LLC**

2510 Kirby Circle NE  
Palm Bay, FL 32945  
321-802-4583

**Certificate Of Analysis**

**Sample Identification Information**

Date of Analysis 10/26/2023

Sample: S2013

Product Name GOLD BASAL

Lot# SIK2309-GBR10

Country of Origin SOLOMON ISLANDS

Country of Processing USA

Manufacture Date Sep-23

Best By Date Sep-26

**General Product Specifications**

Product Species Piper Methysticum

Part Used Root

Common Names Kava kava, Awa, Yagona

Appearance Yellow, Brown, beige powder

**Analyzed Characteristics**

**Specification**

**Result**

**Test Method**

Standardization

2-17% Kavalactones

9.26%

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

243156

HPLC

K/DHM

3.9

Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2346.424			
Methysticin	M	1	2.21	365.665	4.53%	0.45%	<b>6</b>
Dihydromethysticin	DHM	2	3.38	375.402	4.65%	0.68%	<b>5</b>
Kavain	K	3	1	4668.719	57.79%	2.62%	<b>4</b>
Dihydrokavain	DHK	4	3.08	1524.717	18.87%	3.60%	<b>2</b>
Desmethoxyangonin	DMY	5	2.52	452.593	5.60%	0.69%	<b>1</b>
Yagonin	Y	6	3.12	692.223	8.57%	1.23%	<b>3</b>
<b>Kavalactones</b>			<b>Total:</b>	<b>8079.319</b>	<b>100.00%</b>	<b>9.26%</b>	<b>243156</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 Hustl Youngs

Date 10/27/23

SAMPLE S2013  
Vial 14

0.75747g/50mL

wavelength 246 nm

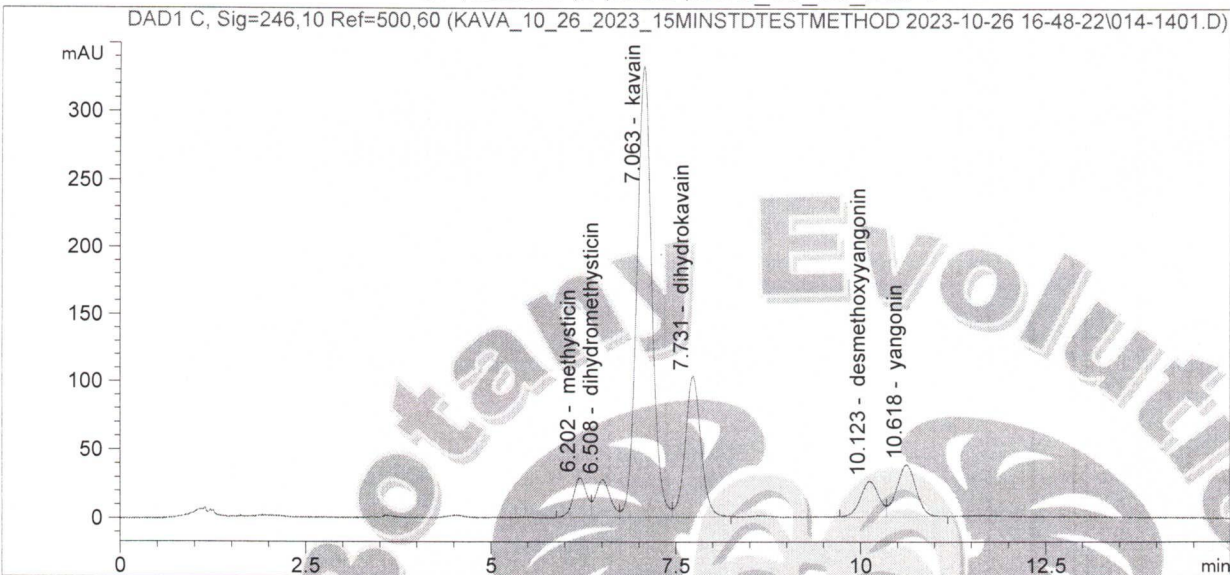
C:\CHEM32\1\DATA\KAVA\_10\_26\_2023\_15MINSTDTESTMETHOD 2023-10-26 16-48-22\01->  
SEQUENCE C:\CHEM32\1\DATA\KAVA\_10\_26\_2023\_ ->

Injection date 10/26/2023

Injection time 9:26:03 PM

Acq. operator KRISTL

Method C:\CHEM32\1\DATA\KAVA\_10\_26\_202->



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	methysticin	6.202	365.665	4.53	0.000
2	dihydromethysticin	6.508	375.402	4.65	0.000
3	kavain	7.063	4668.719	57.79	0.000
4	dihydrokavain	7.731	1524.717	18.87	0.000
5	desmethoxyyangonin	10.123	452.593	5.60	0.000
6	yangonin	10.618	692.223	8.57	0.000

10/27/23  
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