

# Botany Evolution LLC

1510 Kirby Circle NE

Palm Bay, FL 32945

321-802-4583

## Certificate Of Analysis

### Sample Identification Information

Date of Analysis 5/11/2022

Sample: S1535

Product Name GOLD

Lot# SIK220415G

Country of Origin

SOLOMON ISLANDS

Country of Processing

USA

Manufacture Date

04/15/22

Best By Date

04/15/25

### General Product Specifications

Product Species Piper Methysticum

Part Used Root

Common Names

Kava kava, Awa, Yagona

Appearance

Yellow, beige powder

### Analyzed Characteristics

#### Specification

#### Result

#### Test Method

Standardization

2-17% Kavalactones

13.20%

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

4.3

Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2280.221			
Methysticin	M	1	2.21	580.529	5.09%	0.73%	6
Dihydromethysticin	DHM	2	3.38	477.577	4.19%	0.89%	5
Kavain	K	3	1	6659.233	58.41%	3.84%	4
Dihydrokavain	DHK	4	3.08	1958.089	17.17%	4.76%	2
Desmethoxyyangonin	DMY	5	2.52	705.517	6.19%	1.12%	1
Yangonin	Y	6	3.12	1020.336	8.95%	1.86%	3
Kavalactones			<b>Total:</b>	<b>11401.281</b>	<b>100.00%</b>	<b>13.20%</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

*Rustie Younger*

Date

*5/12/22*

SAMPLE S1535 RR  
Vial 14

.75676g/50mL

wavelength 246 nm

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EQUENCE C:\CHEM32\1\DATA\KAVA\_05\_11\_2022\_ ->

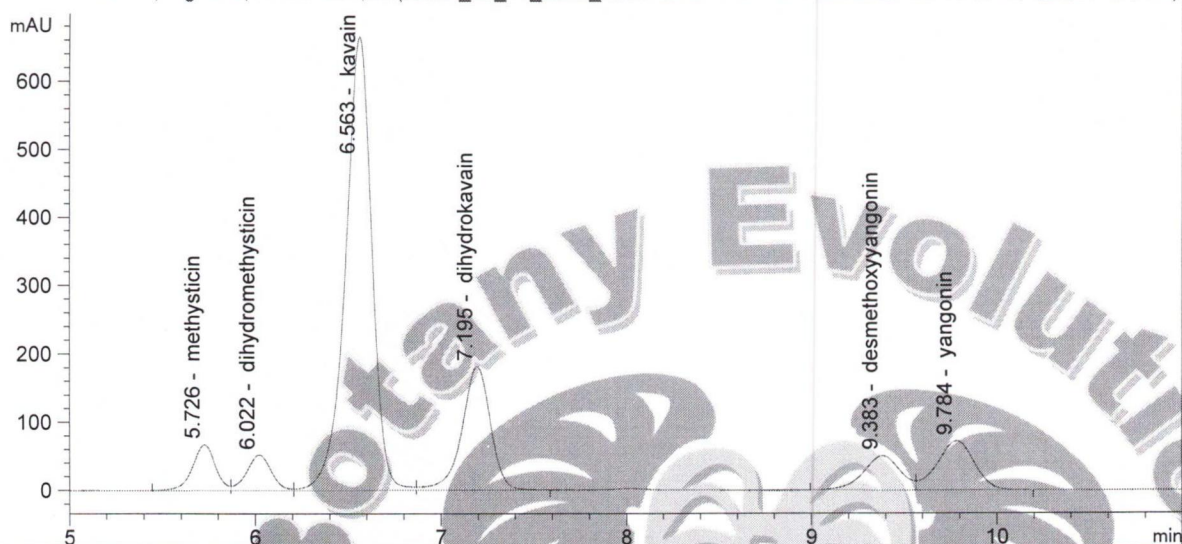
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cq. operator KRISTL

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DAD1 C, Sig=246,10 Ref=500,60 (KAVA\_05\_11\_2022\_15MINSTDTESTMETHOD 2022-05-11 16-48-22\014-1701.D)



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	methysticin	5.726	580.529	5.09	0.000
2	dihydromethysticin	6.022	477.577	4.19	0.000
3	kavain	6.563	6659.233	58.41	0.001
4	dihydrokavain	7.195	1958.089	17.17	0.001
5	desmethoxyyangonin	9.383	705.517	6.19	0.000
6	yangonin	9.784	1020.336	8.95	0.000

5/12/22  
VJ