

**Botany Evolution LLC**

510 Kirby Circle NE  
 Palm Bay, FL 32945  
 21-802-4583

**Certificate Of Analysis**

**Sample Identification Information**

Date of Analysis 7/3/2024

Sample: S2153

Product Name GOLD BASAL

Lot# SIK2406-GBR7

Country of Origin SOLOMON ISLANDS

Country of Processing USA

Manufacture Date Jun-24

Best By Date Jun-27

**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

9.62%

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

243516

HPLC

K/DHM

3.8

Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2365.094			
Methysticin	M	1	2.21	360.625	4.19%	0.47%	<b>6</b>
Dihydromethysticin	DHM	2	3.38	383.751	4.45%	0.76%	<b>5</b>
Kavain	K	3	1	4988.554	57.91%	2.92%	<b>4</b>
Dihydrokavain	DHK	4	3.48	1653.144	19.19%	3.37%	<b>2</b>
Desmethoxyyangonin	DMY	5	2.52	417.897	4.85%	0.62%	<b>1</b>
Yangonin	Y	6	3.12	810.342	9.41%	1.48%	<b>3</b>
<b>Kavalactones</b>			<b>Total:</b>	<b>8614.313</b>	<b>100.00%</b>	<b>9.62%</b>	<b>243516</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.

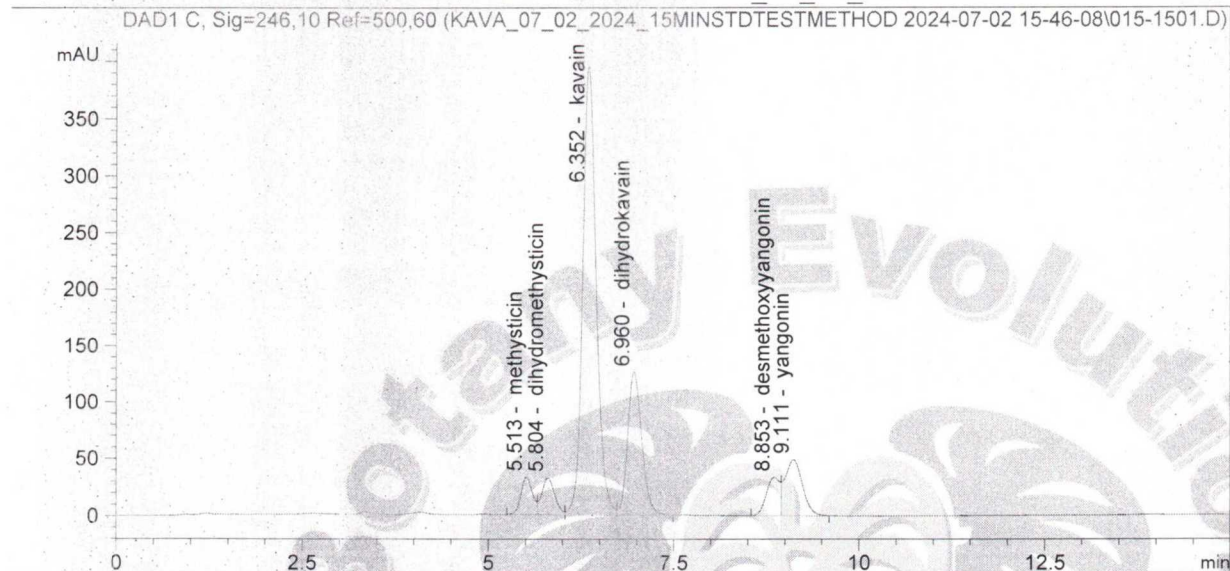
Chemist Mustl Youngs

Date 7/3/24

SAMPLE S2153  
Vial 15

.75633g/50mL

wavelength 246 nm  
:\CHEM32\1\DATA\KAVA\_07\_02\_2024\_15MINSTDTESTMETHOD 2024-07-02 15-46-08\01->  
SEQUENCE C:\CHEM32\1\DATA\KAVA\_07\_02\_2024\_ ->  
injection date 7/2/2024  
injection time 8:37:32 PM  
operator KRISTL  
method C:\CHEM32\1\DATA\KAVA\_07\_02\_202->



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	methysticin	5.513	360.625	4.19	0.000
2	dihydromethysticin	5.804	383.751	4.45	0.000
3	kavain	6.352	4988.554	57.91	0.000
4	dihydrokavain	6.960	1653.144	19.19	0.000
5	desmethoxyyangonin	8.853	417.897	4.85	0.000
6	yangonin	9.111	810.342	9.41	0.000

7/3/24  
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