

**Botany Evolution LLC**

510 Kirby Circle NE

Palm Bay, FL 32945

(21-802-4583

**Certificate Of Analysis****Sample Identification Information**Date of Analysis 3/21/2022Sample: S1510Product Name CHIEF INSTANTLot# SBE220310CICountry of Origin

SOLOMON ISLANDS

Country of Processing

USA

Manufacture Date

03/10/22

Best By Date

03/10/25

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

Kava kava, Awa, Yagona

Appearance

Yellow, beige powder

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

2-17% Kavalactones

7.07%

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

2.0

Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2340.879			
Methysticin	M	1	2.21	444.181	7.93%	0.555%	6
Dihydromethysticin	DHM	2	3.38	429.361	7.67%	0.79%	5
Kavain	K	3	1	2755.163	49.21%	1.57%	4
Dihydrokavain	DHK	4	3.08	1144.658	20.44%	2.75%	2
Desmethoxyyangonin	DMY	5	2.52	360.754	6.44%	0.564%	1
Yangonin	Y	6	3.12	464.984	8.30%	0.84%	3
Kavalactones			<b>Total:</b>	<b>5599.101</b>	<b>100.00%</b>	<b>7.07%</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

*Russell Youngs*

Date

*3/22/22*

SAMPLE S1510  
Vial 12

.74556g/50mL

wavelength 246 nm

:\\CHEM32\\1\\DATA\\KAVA\_3\_21\_2022\_15MINSTDTESTMETHOD 2022-03-21 16-03-22\\012->

SEQUENCE C:\\CHEM32\\1\\DATA\\KAVA\_3\_21\_2022\_ ->

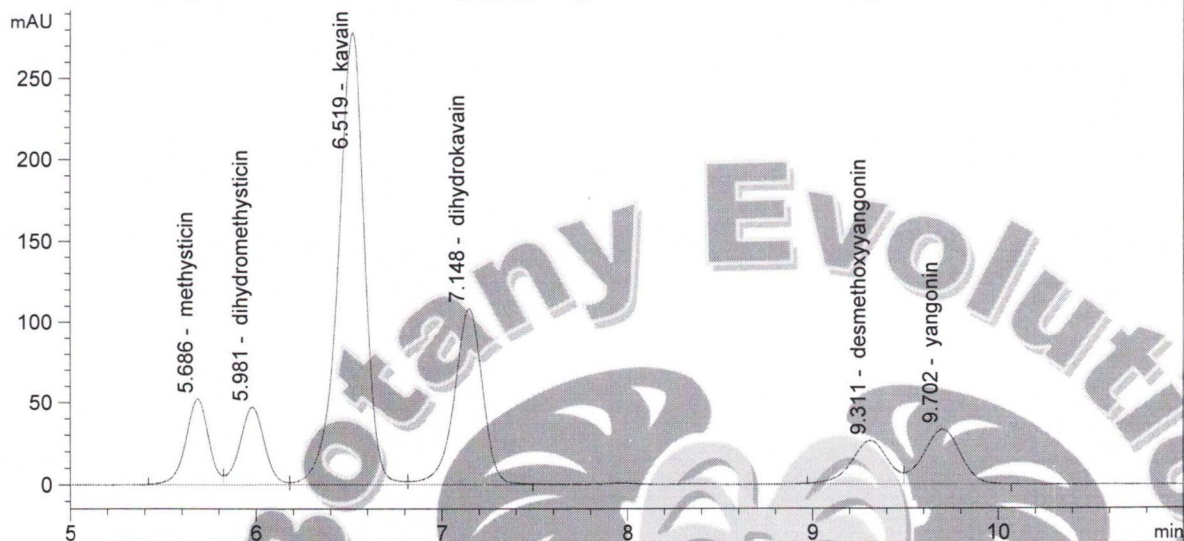
Injection date 3/21/2022

Injection time 8:54:17 PM

Operator KRISTL

Method C:\\CHEM32\\1\\DATA\\KAVA\_3\_21\_202->

DAD1 C, Sig=246,10 Ref=500,60 (KAVA\_3\_21\_2022\_15MINSTDTESTMETHOD 2022-03-21 16-03-22\\012-1501.D)



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	methysticin	5.686	444.181	7.93	0.000
2	dihydromethysticin	5.981	429.361	7.67	0.000
3	kavain	6.519	2755.163	49.21	0.000
4	dihydrokavain	7.148	1144.658	20.44	0.000
5	desmethoxyyangonin	9.311	360.754	6.44	0.000
6	yangonin	9.702	464.984	8.30	0.000

3/22/22  
y