

Botany Evolution LLC

510 Kirby Circle NE

Palm Bay, FL 32945

21-802-4583

Certificate Of Analysis**Sample Identification Information**Date of Analysis 2/18/2022Sample: S1459Product Name HEADHUNTERLot# SIK220202HHCountry of Origin

SOLOMON ISLANDS

Country of Processing

USA

Manufacture Date

02/02/22

Best By Date

02/02/25

General Product SpecificationsProduct Species Piper MethysticumPart Used RootCommon Names

Kava kava, Awa, Yagona

Appearance

Yellow, beige powder

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

2-17% Kavalactones

13.58%

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

4.0

Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2402.604			
Methysticin	M	1	2.21	719.498	5.83%	0.86%	6
Dihydromethysticin	DHM	2	3.38	558.296	4.52%	0.99%	5
Kavain	K	3	1	7151.242	57.94%	3.92%	4
Dihydrokavain	DHK	4	3.08	2109.705	17.09%	4.87%	2
Desmethoxyyangonin	DMY	5	2.52	782.124	6.34%	1.17%	1
Yangonin	Y	6	3.12	1022.051	8.28%	1.77%	3
Kavalactones			Total:	12342.916	100.00%	13.58%	243156

*See data in attachment HPLC1100 Agilent Certificate with Chromatogram graph.

This result is 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 Younger

Date

2/21/22

SAMPLE S1459
Vial 16

.75670g/50mL

wavelength 246 nm

Path: \CHEM32\1\DATA\KAVA_2_18_2022_15MINSTDTESTMETHOD 2022-02-18 17-57-53\016->

SEQUENCE C:\CHEM32\1\DATA\KAVA_2_18_2022_ ->

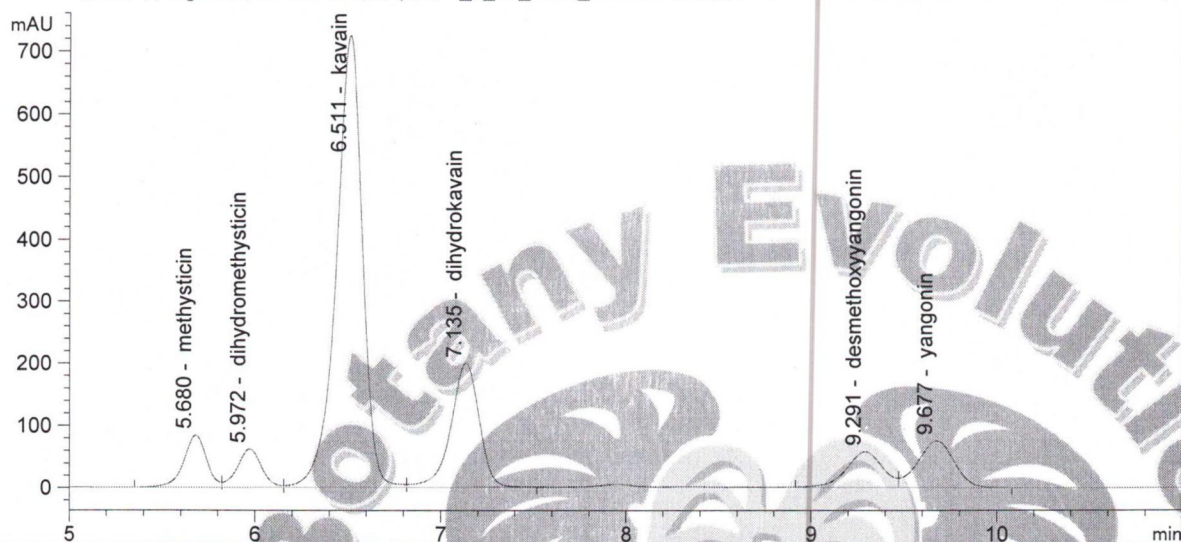
Injection date 2/18/2022

Injection time 11:19:14 PM

Operator KRISTL

Method C:\CHEM32\1\DATA\KAVA_2_18_2022->

DAD1 C, Sig=246,10 Ref=500,60 (KAVA_2_18_2022_15MINSTDTESTMETHOD 2022-02-18 17-57-53\016-1601.D)



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	methysticin	5.680	719.498	5.83	0.000
2	dihydromethysticin	5.972	558.296	4.52	0.000
3	kavain	6.511	7151.242	57.94	0.001
4	dihydrokavain	7.135	2109.705	17.09	0.001
5	desmethoxyyangonin	9.291	782.124	6.34	0.000
6	yangonin	9.677	1022.051	8.28	0.000

2/21/22
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