

# Botany Evolution LLC

510 Kirby Circle NE

Alam Bay, FL 32945

21-802-4583

## Certificate Of Analysis

### Sample Identification Information

Date of Analysis 7/3/2024

Sample: S2154

Product Name HEADHUNTER

Lot# SIK2406-GHH7

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

13.55%

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

423516

HPLC

K/DHM

4.8

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	631.141	4.92%	0.82%	6
Dihydromethysticin	DHM	2	3.38	487.001	3.80%	0.963%	5
Kavain	K	3	1	7885.059	61.47%	4.61%	4
Dihydrokavain	DHK	4	3.48	1962.129	15.30%	3.99%	2
Desmethoxyyangonin	DMY	5	2.52	649.218	5.06%	0.957%	1
Yangonin	Y	6	3.12	1212.186	9.45%	2.21%	3
Kavalactones			<b>Total:</b>	<b>12826.734</b>	<b>100.00%</b>	<b>13.55%</b>	<b>423516</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

*Musth Youngs*

Date

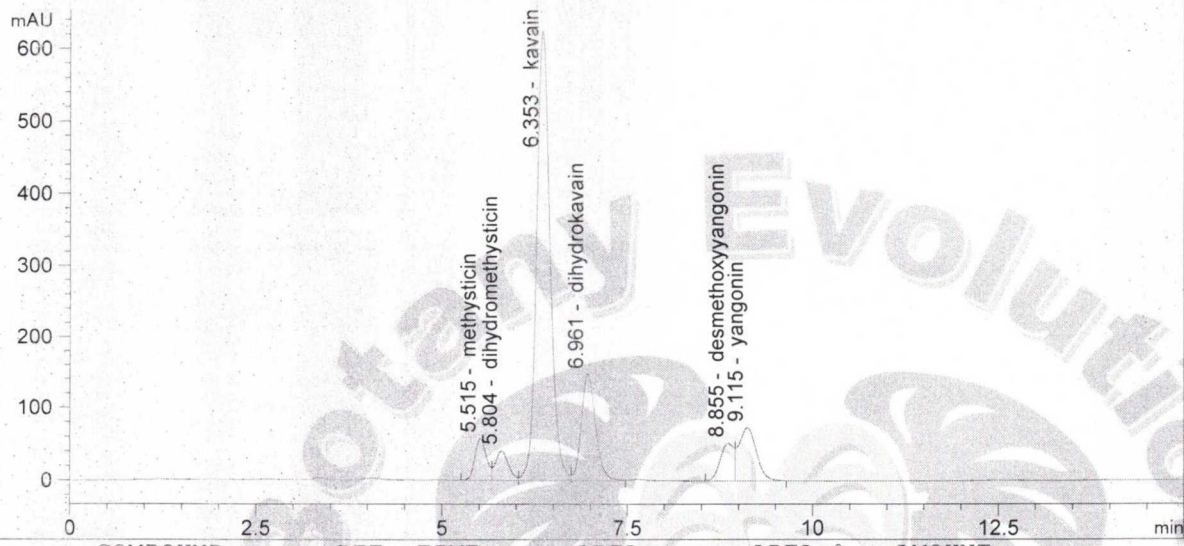
*7/3/24*

SAMPLE S2154  
Vial 16

.75757g/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 8:53:37 PM  
operator KRISTL  
method C:\CHEM32\1\DATA\KAVA\_07\_02\_202->

DAD1 C, Sig=246,10 Ref=500,60 (KAVA\_07\_02\_2024\_15MINSTDTESTMETHOD 2024-07-02 15-46-08\016-1601.D)



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	methysticin	5.515	631.141	4.92	0.000
2	dihydromethysticin	5.804	487.001	3.80	0.000
3	kavain	6.353	7885.059	61.47	0.001
4	dihydrokavain	6.961	1962.129	15.30	0.000
5	desmethoxyyangonin	8.855	649.218	5.06	0.000
6	yangonin	9.115	1212.186	9.45	0.000

7/3/24  
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