

Botany Evolution LLC

2510 Kirby Circle NE

Palm Bay, FL 32945

321-802-4583

Certificate Of Analysis

Sample Identification Information

Date of Analysis 11/28/2022

Sample: S1771

Product Name KADAVU WAKA

Lot# FLK221128KW

Country of Origin FIJI

Country of Processing USA

Manufacture Date 11/28/22

Best By Date 11/28/25

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

7.27%

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

246351

HPLC

K/DHM

1.7

Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2363.158			
Methysticin	M	1	2.21	1142.739	18.31%	1.40%	6
Dihydromethysticin	DHM	2	3.38	534.206	8.56%	0.97%	5
Kavain	K	3	1	2904.628	46.54%	1.63%	4
Dihydrokavain	DHK	4	3.08	705.497	11.30%	1.66%	2
Desmethoxyyangonin	DMY	5	2.52	337.58	5.41%	0.52%	1
Yangonin	Y	6	3.12	617.063	9.89%	1.09%	3
Kavalactones			Total:	6241.713	100.00%	7.27%	246351

*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

Musiel Youngs

Date

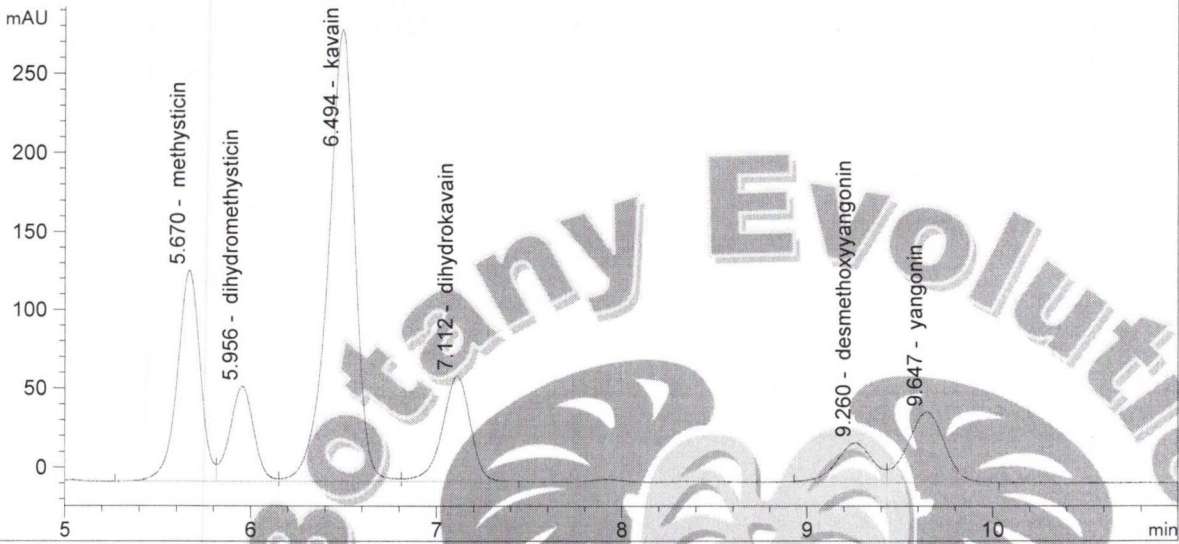
12/1/22

SAMPLE S1771
Vial 13

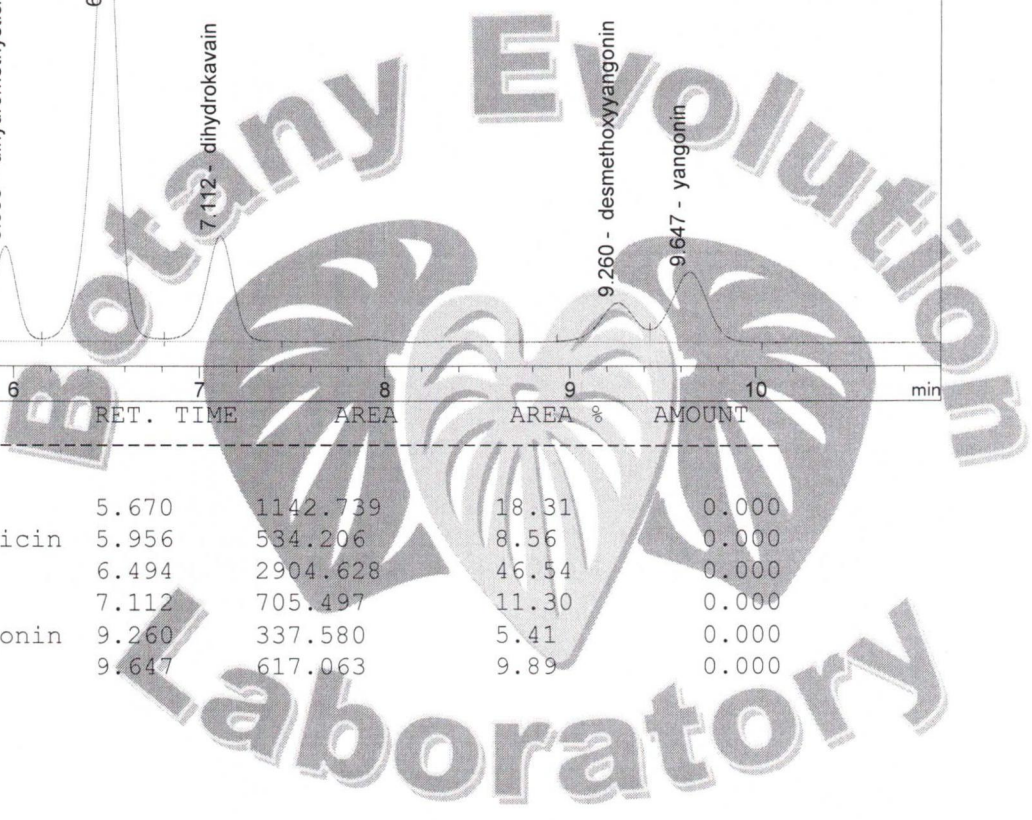
.75232g/50mL

wavelength 246 nm
:\CHEM32\1\DATA\KAVA_11_28_2022_15MINSTDTESTMETHOD 2022-11-28 16-29-22\01->
SEQUENCE C:\CHEM32\1\DATA\KAVA_11_28_2022_ ->
injection date 11/28/2022
injection time 8:48:12 PM
acq. operator KRISTL
method C:\CHEM32\1\DATA\KAVA_11_28_202->

DAD1 C, Sig=246,10 Ref=500,60 (KAVA_11_28_2022_15MINSTDTESTMETHOD 2022-11-28 16-29-22\013-1301.D)



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	methysticin	5.670	1142.739	18.31	0.000
2	dihydromethysticin	5.956	534.206	8.56	0.000
3	kavain	6.494	2904.628	46.54	0.000
4	dihydrokavain	7.112	705.497	11.30	0.000
5	desmethoxyyangonin	9.260	337.580	5.41	0.000
6	yangonin	9.647	617.063	9.89	0.000



11/30/22
S