

# Botany Evolution LLC

2510 Kirby Circle NE

Palm Bay, FL 32945

321-802-4583

## Certificate Of Analysis

### Sample Identification Information

Date of Analysis 5/11/2022

Sample: S1562

Product Name TANAKI

Lot# KTM220510T

Country of Origin TONGA

Country of Processing USA

Manufacture Date 05/10/22

Best By Date 05/10/25

### 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

7.22%

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

1.6

Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2280.221			
Methysticin	M	1	2.21	1054.753	17.90%	1.34%	6
Dihydromethysticin	DHM	2	3.38	504.728	8.57%	0.95%	5
Kavain	K	3	1	2631.025	44.65%	1.53%	4
Dihydrokavain	DHK	4	3.08	646.445	10.97%	1.58%	2
Desmethoxyyangonin	DMY	5	2.52	438.772	7.45%	0.70%	1
Yangonin	Y	6	3.12	616.784	10.47%	1.13%	3
Kavalactones			<b>Total:</b>	<b>5892.507</b>	<b>100.00%</b>	<b>7.22%</b>	<b>246351</b>

\*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

*Austin Youngs*

Date

5/12/22

SAMPLE S1562  
Vial 12

.75298g/50mL

wavelength 246 nm

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EQUENCE C:\CHEM32\1\DATA\KAVA\_05\_11\_2022\_ ->

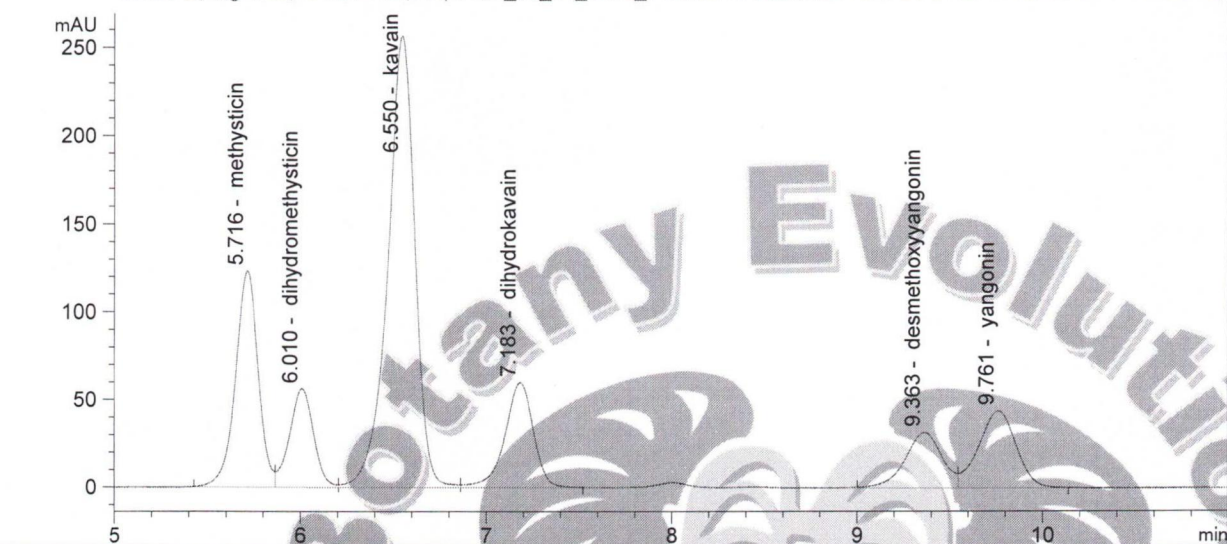
njection date 5/11/2022

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cq. operator KRISTL

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DAD1 C, Sig=246,10 Ref=500,60 (KAVA\_05\_11\_2022\_15MINSTDTESTMETHOD 2022-05-11 16-48-22\012-1501.D)



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	methysticin	5.716	1054.753	17.90	0.000
2	dihydromethysticin	6.010	504.728	8.57	0.000
3	kavain	6.550	2631.025	44.65	0.000
4	dihydrokavain	7.183	646.445	10.97	0.000
5	desmethoxyyangonin	9.363	438.772	7.45	0.000
6	yangonin	9.761	616.784	10.47	0.000

5/12/22  
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