

Botany Evolution LLC

1510 Kirby Circle NE

Palm Bay, FL 32945

321-802-4583

Certificate Of Analysis

Sample Identification Information

Date of Analysis 10/19/2022

Sample: S1733

Product Name TABOO

Lot# VSSC2209-T1010

Country of Origin VANUATU

Country of Processing USA

Manufacture Date September-22

Best By Date September-25

General Product Specifications

Product Species Piper Methysticum

Part Used Root

MIX RATIO 70 BR/30 LR

Common Names Kava kava, Awa, Yagona

Appearance Yellow, beige powder

Analyzed Characteristics

Specification

Result

Test Method

Standardization

2-17% Kavalactones

9.62%

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

243561

HPLC

K/DHM

2.1

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	747.065	9.21%	0.92%	6
Dihydromethysticin	DHM	2	3.38	625.354	7.71%	1.13%	5
Kavain	K	3	1	4154.22	51.22%	2.33%	4
Dihydrokavain	DHK	4	3.08	1370.485	16.90%	3.23%	2
Desmethoxyyangonin	DMY	5	2.52	559.732	6.90%	0.86%	1
Yangonin	Y	6	3.12	653.508	8.06%	1.16%	3
Kavalactones			Total:	8110.364	100.00%	9.62%	243561

*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

Austie Youngs

Date

10/20/22

SAMPLE S1733
Vial 14

.75290g/50mL

wavelength 246 nm

: \CHEM32\1\DATA\KAVA_10_18_2022_15MINSTDTESTMETHOD 2022-10-18 15-14-16\01->

EQUENCE C:\CHEM32\1\DATA\KAVA_10_18_2022_ ->

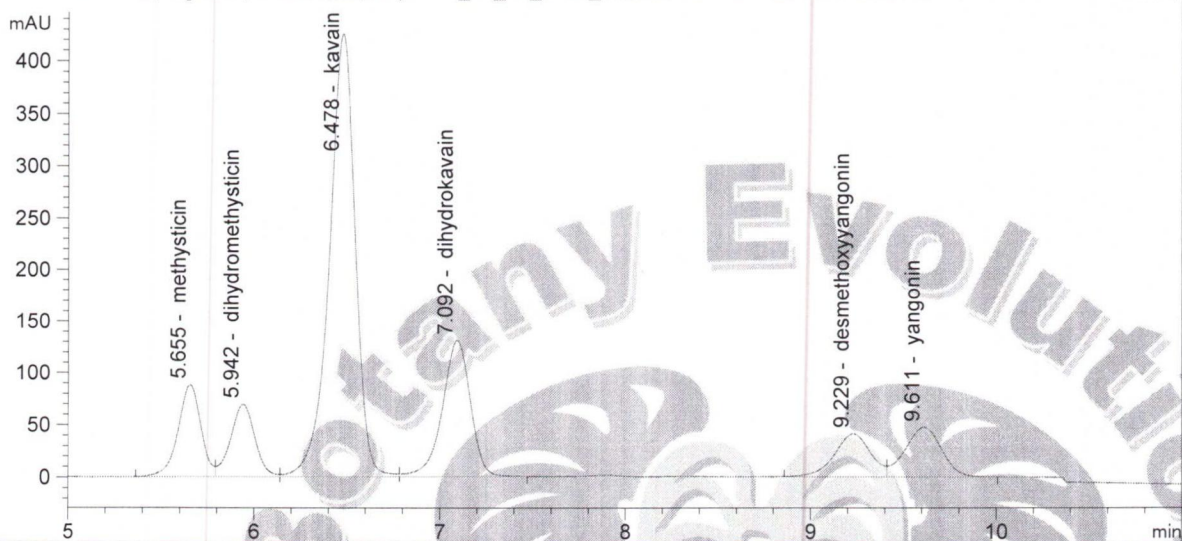
Injection date 10/18/2022

Injection time 7:49:45 PM

Operator KRISTL

Method C:\CHEM32\1\DATA\KAVA_10_18_2022->

DAD1 C, Sig=246,10 Ref=500,60 (KAVA_10_18_2022_15MINSTDTESTMETHOD 2022-10-18 15-14-16\014-1401.D)



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	methysticin	5.655	747.065	9.21	0.000
2	dihydromethysticin	5.942	625.354	7.71	0.000
3	kavain	6.478	4154.220	51.22	0.000
4	dihydrokavain	7.092	1370.485	16.90	0.000
5	desmethoxyyangonin	9.229	559.732	6.90	0.000
6	yangonin	9.611	653.508	8.06	0.000

10/20/22
✓