

Botany Evolution LLC

2510 Kirby Circle NE

Palm Bay, FL 32945

321-802-4583

Certificate Of Analysis

Sample Identification Information

Date of Analysis 11/14/2022

Sample: S1754

Product Name INSTANT CEREMONIAL

Lot# VBE221101CI

Country of Origin VANUATU

Country of Processing USA

Manufacture Date November-22

Best By Date November-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

6.34%

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

245361

HPLC

K/DHM

1.4

Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2399.438			
Methysticin	M	1	2.21	581.194	11.22%	0.70%	6
Dihydromethysticin	DHM	2	3.38	526.485	10.17%	0.93%	5
Kavain	K	3	1	2344.49	45.28%	1.29%	4
Dihydrokavain	DHK	4	3.08	903.623	17.45%	2.09%	2
Desmethoxyyangonin	DMY	5	2.52	361.44	6.98%	0.54%	1
Yangonin	Y	6	3.12	460.582	8.90%	0.80%	3
Kavalactones			Total:	5177.814	100.00%	6.34%	245361

*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

Russell Youngs

Date

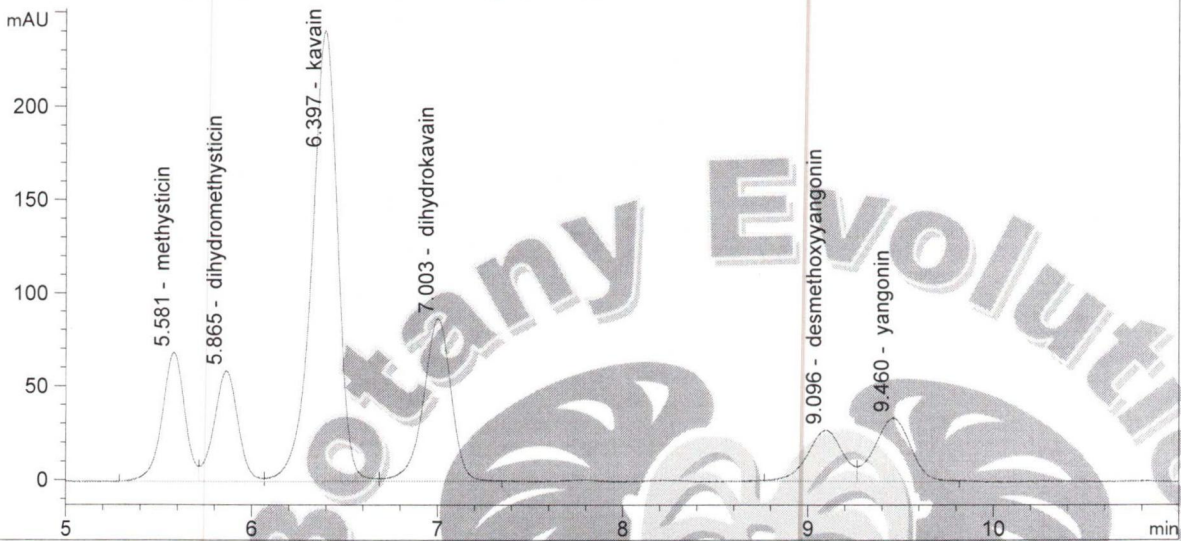
11/16/22

SAMPLE S1754
Vial 13

.75682g/50mL

wavelength 246 nm
:\CHEM32\1\DATA\KAVA_11_14_2022_15MINSTDTESTMETHOD 2022-11-14 16-45-51\01->
SEQUENCE C:\CHEM32\1\DATA\KAVA_11_14_2022_ ->
injection date 11/14/2022
injection time 9:04:55 PM
operator KRISTL
method C:\CHEM32\1\DATA\KAVA_11_14_2022->

DAD1 C, Sig=246,10 Ref=500,60 (KAVA_11_14_2022_15MINSTDTESTMETHOD 2022-11-14 16-45-51\013-1301.D)



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	methysticin	5.581	581.194	11.22	0.000
2	dihydromethysticin	5.865	526.485	10.17	0.000
3	kavain	6.397	2344.490	45.28	0.000
4	dihydrokavain	7.003	903.623	17.45	0.000
5	desmethoxyyangonin	9.096	361.440	6.98	0.000
6	yangonin	9.460	460.582	8.90	0.000

11/16/22
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