

Botany Evolution LLC

2510 Kirby Circle NE

Palm Bay, FL 32945

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Certificate Of Analysis**Sample Identification Information**Date of Analysis 11/25/2019Sample: S0795Product Name GOLD LATERALLot# SIV191025YLRCountry of Origin SOLOMON ISLANDSCountry of Processing SOLOMON ISLANDSManufacture Date 10/25/19Best By Date 10/25/22**General Product Specifications**Product Species Piper MethysticumPart Used RootCommon Names Kava kava, Awa, YagonaAppearance Yellow, beige powder**Analyzed Characteristics****Specification****Result****Test Method**Standardization

2-17% Kavalactones

15.60%

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

243651

HPLC

K/DHM

2.14

Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2438.639			
Methysticin	M	1	2.21	1451.936	10.86%	1.73%	6
Dihydromethysticin	DHM	2	3.38	960.214	7.18%	1.68%	5
Kavain	K	3	1	6627.9	49.57%	3.60%	4
Dihydrokavain	DHK	4	3.08	2398.546	17.94%	5.48%	2
Desmethoxyyangonin	DMY	5	2.52	900.156	6.73%	1.34%	1
Yangonin	Y	6	3.12	1032.91	7.72%	1.77%	3
Kavalactones			Total:	13371.662	100.00%	15.60%	243651

*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

Rustle Young

Date

11/26/19

SAMPLE S0795
 Vial 14

0.75221g/50mL

wavelength 246 nm

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SEQUENCE C:\CHEM32\1\DATA\KAVA_11_25_2019_ ->

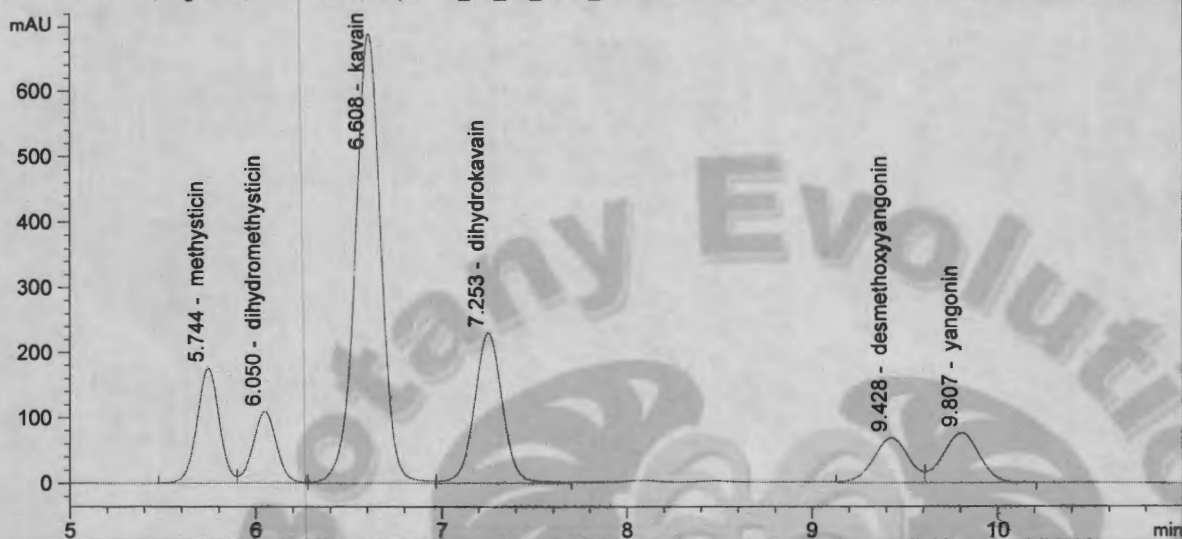
Injection date 11/25/2019

Injection time 8:57:13 PM

Acq. operator KRISTL

Method C:\CHEM32\1\DATA\KAVA_11_25_201->

DAD1 C, Sig=246,10 Ref=500,60 (KAVA_11_25_2019_15MINSTDTESTMETHOD 2019-11-25 16-05-53\014-1501.D)



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	methysticin	5.744	1451.936	10.86	0.000
2	dihydromethysticin	6.050	960.214	7.18	0.000
3	kavain	6.608	6627.900	49.57	0.001
4	dihydrokavain	7.253	2398.546	17.94	0.001
5	desmethoxyyangonin	9.428	900.156	6.73	0.000
6	yangonin	9.807	1032.910	7.72	0.000

11/26/19
 18