

Botany Evolution LLC

2510 Kirby Circle NE

Palm Bay, FL 32945

321-802-4583

Certificate Of Analysis**Sample Identification Information**Date of Analysis 9/24/2020Sample: S0955Product Name GOLD HEADHUNTERLot# SIK200902GHCountry of Origin SOLOMON ISLANDSCountry of Processing SOLOMON ISLANDSManufacture Date 09/02/20Best By Date 09/02/23**General Product Specifications**Product Species Piper MethysticumCommon Names Kava kava, Awa, YagonaPart Used RootAppearance Yellow, beige powder**Analyzed Characteristics****Specification****Result****Test Method**Standardization

2-17% Kavalactones

15.06%

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

243516

HPLC

K/DHM

2.3

Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2351.877			
Methysticin	M	1	2.21	962.614	7.92%	1.19%	6
Dihydromethysticin	DHM	2	3.38	807.323	6.64%	1.47%	5
Kavain	K	3	1	6040.695	49.70%	3.40%	4
Dihydrokavain	DHK	4	3.08	2524.34	20.77%	5.98%	2
Desmethoxyyangonin	DMY	5	2.52	909.413	7.48%	1.40%	1
Yangonin	Y	6	3.12	908.812	7.48%	1.62%	3
Kavalactones			Total:	12153.197	100.00%	15.06%	243516

*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

Mustel Youngs

Date

9/25/20

SAMPLE S0955
Vial 15

0.75200g/50mL

wavelength 246 nm

C:\CHEM32\1\DATA\KAVA_9_24_2020_15MINSTDTESTMETHOD 2020-09-24 16-11-24\015->

SEQUENCE C:\CHEM32\1\DATA\KAVA_9_24_2020_ ->

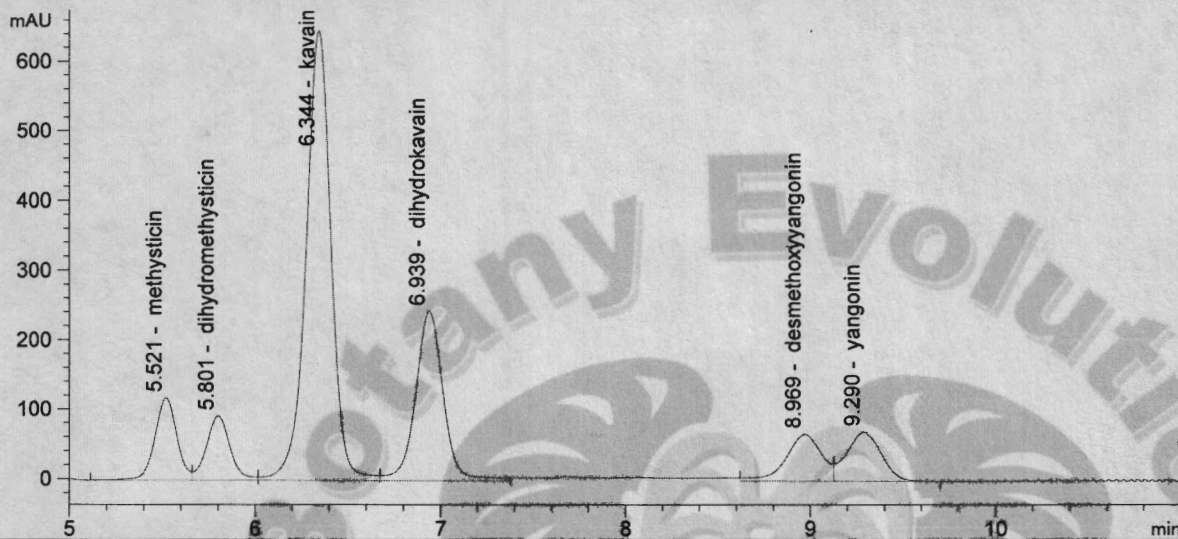
Injection date 9/24/2020

Injection time 9:02:20 PM

Acq. operator KRISTL

Method C:\CHEM32\1\METHODS\KAVA15MIN STD TEST.M

DAD1 C, Sig=246,10 Ref=500,60 (KAVA_9_24_2020_15MINSTDTESTMETHOD 2020-09-24 16-11-24\015-1501.D)



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	methysticin	5.521	962.614	7.92	0.000
2	dihydromethysticin	5.801	807.323	6.64	0.000
3	kavain	6.344	6040.695	49.70	0.000
4	dihydrokavain	6.939	2524.340	20.77	0.001
5	desmethoxyyangonin	8.969	909.413	7.48	0.000
6	yangonin	9.290	908.812	7.48	0.000

9/25/20
YF