

Botany Evolution LLC

2510 Kirby Circle NE

Palm Bay, FL 32945

321-802-4583

Certificate Of Analysis**Sample Identification Information**Date of Analysis 9/14/2020Sample: S0950Product Name KASTOM LATERAL ROOTSLot# SIK200728KLRCountry of Origin

SOLOMON ISLANDS

Country of Processing

SOLOMON ISLANDS

Manufacture Date

07/28/20

Best By Date

07/28/23

General Product SpecificationsProduct Species Piper MethysticumPart Used RootCommon Names

Kava kava, Awa, Yagona

Appearance

Yellow, beige powder

Analyzed Characteristics**Specification****Result****Test Method**Standardization

2-17% Kavalactones

16.08%

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

243165

HPLC

K/DHM

2.6

Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2348.402			
Methysticin	M	1	2.21	1253.909	9.16%	1.538%	6
Dihydromethysticin	DHM	2	3.38	838.099	6.12%	1.52%	5
Kavain	K	3	1	7172.271	52.39%	4.02%	4
Dihydrokavain	DHK	4	3.08	2398.789	17.52%	5.65%	2
Desmethoxyyangonin	DMY	5	2.52	1005.065	7.34%	1.542%	1
Yangonin	Y	6	3.12	1023.242	7.47%	1.81%	3
Kavalactones			Total:	13691.375	100.00%	16.08%	243165

*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

Mustie Young

Date

9/18/20

SAMPLE S0950
Vial 23

0.75744g/50mL

wavelength 246 nm

C:\CHEM32\1\DATA\KAVA_9_15_2020_15MINSTDTESTMETHOD 2020-09-15 16-24-24\023->

SEQUENCE C:\CHEM32\1\DATA\KAVA_9_15_2020_ ->

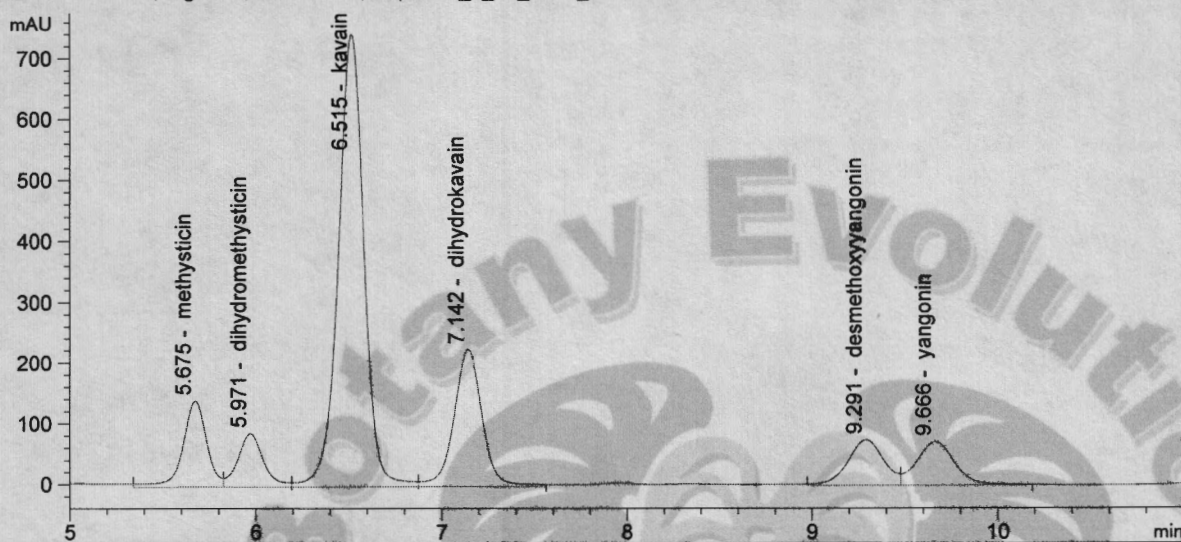
Injection date 9/16/2020

Injection time 12:13:53 AM

Acq. operator KRISTL

Method C:\CHEM32\1\METHODS\KAVA15MIN_STD_TEST.M

DAD1 C, Sig=246,10 Ref=500,60 (KAVA_9_15_2020_15MINSTDTESTMETHOD 2020-09-15 16-24-24\023-2601.D)



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	methysticin	5.675	1253.909	9.16	0.000
2	dihydromethysticin	5.971	838.099	6.12	0.000
3	kavain	6.515	7172.271	52.39	0.001
4	dihydrokavain	7.142	2398.789	17.52	0.001
5	desmethoxyyangonin	9.291	1005.065	7.34	0.000
6	yangonin	9.666	1023.242	7.47	0.000

9/18/20
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