

Botany Evolution LLC

10 Kirby Circle NE

Alm Bay, FL 32945

1-802-4583

Certificate Of Analysis

Sample Identification Information

Date of Analysis 1/27/2023

Sample: S1814

Product Name GOLD

Lot# SIK2301G-G

Country of Origin

SOLOMON ISLANDS

Country of Processing

USA

Manufacture Date

January-23

Best By Date

January-26

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

10.65%

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

2.9

Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2366.915			
Methysticin	M	1	2.21	644.687	6.97%	0.79%	6
Dihydromethysticin	DHM	2	3.38	541.964	5.86%	0.98%	5
Kavain	K	3	1	5127.975	55.47%	2.87%	4
Dihydrokavain	DHK	4	3.08	1639.493	17.73%	3.86%	2
Desmethoxyyangonin	DMY	5	2.52	562.811	6.09%	0.86%	1
Yangonin	Y	6	3.12	728.475	7.88%	1.29%	3
Kavalactones			Total:	9245.405	100.00%	10.65%	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

Justin Youngs

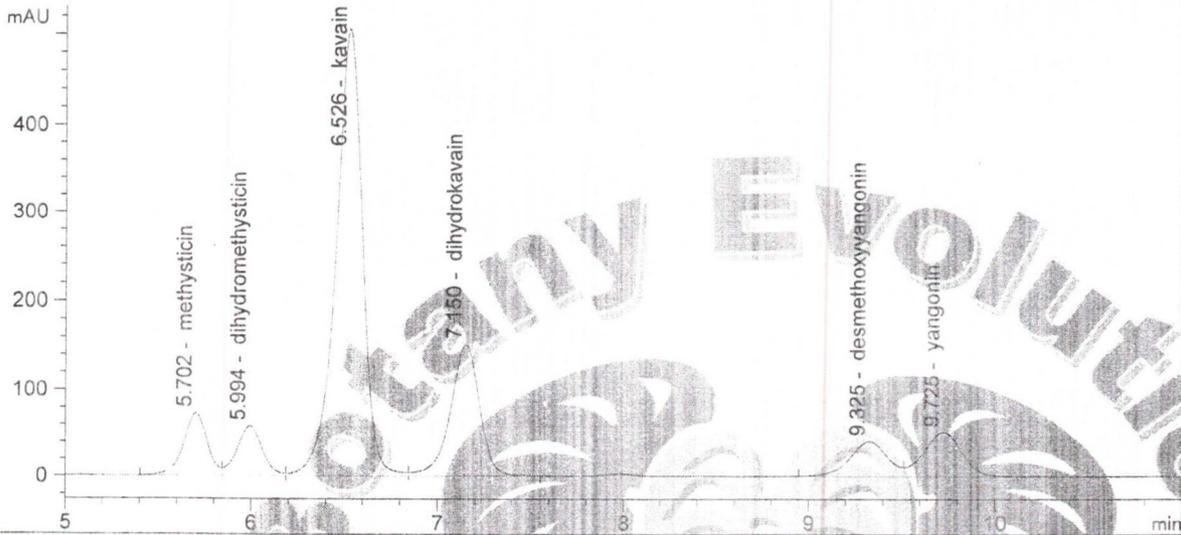
Date

1/30/23

SAMPLE S1814
Vial 12

75543g/50mL
.7523g (spilled) 1/30/23
wavelength 246 nm
\CHEM32\1\DATA\KAVA_01_27_2023_15MINSTDTESTMETHOD 2023-01-27 15-56-29\01->
SEQUENCE C:\CHEM32\1\DATA\KAVA_01_27_2023_ ->
injection date 1/27/2023
injection time 8:15:17 PM
operator KRISTL
method C:\CHEM32\1\DATA\KAVA_01_27_202->

DAD1 C, Sig=246,10 Ref=500,60 (KAVA_01_27_2023_15MINSTDTESTMETHOD 2023-01-27 15-56-29\013-1301.D)



COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
methysticin	5.702	644.687	6.97	0.000
dihydromethysticin	5.994	541.964	5.86	0.000
kavain	6.526	5127.975	55.47	0.000
dihydrokavain	7.150	1639.493	17.73	0.000
desmethoxyyangonin	9.325	562.811	6.09	0.000
yangonin	9.725	728.475	7.88	0.000

1/30/23
K