

Botany Evolution LLC

1510 Kirby Circle NE

Palm Bay, FL 32945

321-802-4583

Certificate Of Analysis

Sample Identification Information

Date of Analysis 9/13/2022

Sample: S1687

Product Name HEADHUNTER

Lot# SIK2209G-HH

Country of Origin SOLOMON ISLANDS

Country of Processing USA

Manufacture Date Sep-22

Best By Date Sep-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

13.21%

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

243156

HPLC

K/DHM

4.0

Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2386.936			
Methysticin	M	1	2.21	684.461	5.78%	0.83%	6
Dihydromethysticin	DHM	2	3.38	530.367	4.48%	0.95%	5
Kavain	K	3	1	6816.454	57.58%	3.77%	4
Dihydrokavain	DHK	4	3.08	2060.906	17.41%	4.79%	2
Desmethoxyyangonin	DMY	5	2.52	754.378	6.37%	1.14%	1
Yangonin	Y	6	3.12	992.083	8.38%	1.73%	3
Kavalactones			Total:	11838.649	100.00%	13.21%	243156

*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

Juste Youngs

Date

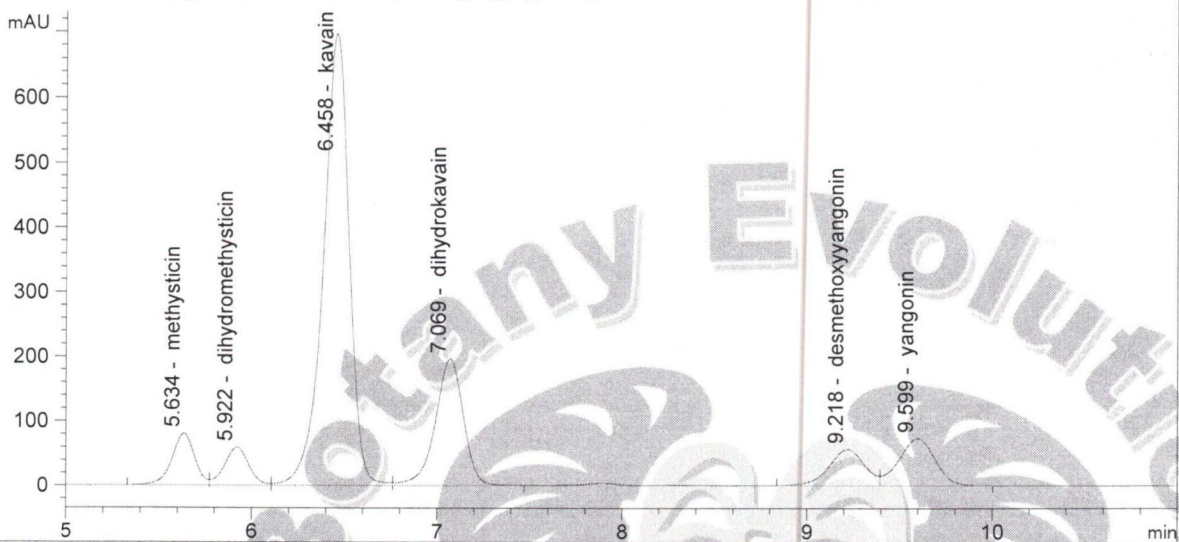
9/14/22

SAMPLE S1687
Vial 21

.75530g/50mL

wavelength 246 nm
:\CHEM32\1\DATA\KAVA_09_13_2022_15MINSTDTESTMETHOD 2022-09-13 16-20-28\02->
SEQUENCE C:\CHEM32\1\DATA\KAVA_09_13_2022_ ->
injection date 9/13/2022
injection time 8:07:23 PM
acq. operator KRISTL
method C:\CHEM32\1\DATA\KAVA_09_13_2022->

DAD1 C, Sig=246,10 Ref=500,60 (KAVA_09_13_2022_15MINSTDTESTMETHOD 2022-09-13 16-20-28\021-1101.D)



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	methysticin	5.634	684.461	5.78	0.000
2	dihydromethysticin	5.922	530.367	4.48	0.000
3	kavain	6.458	6816.454	57.58	0.001
4	dihydrokavain	7.069	2060.906	17.41	0.000
5	desmethoxyyangonin	9.218	754.378	6.37	0.000
6	yangonin	9.599	992.083	8.38	0.000

9/14/22
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