

Botany Evolution LLC

510 Kirby Circle NE
Miami Beach, FL 33145
313-802-4583

Certificate Of Analysis

Sample Identification Information

Date of Analysis 5/11/2022
Sample: S1536
Product Name HEADHUNTER
Lot# SIK220412HH

Country of Origin SOLOMON ISLANDS
Country of Processing USA
Manufacture Date 04/12/22
Best By Date 04/12/25

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	12.98%	HPLC
Identification	Conform	HPLC
Kavalactone Profile	PASS	HPLC
Mesh Size	60	Sieve
Color	Pass	Visual
Odor	Pass	Organoleptic
Taste	Pass	Organoleptic
Chemotype	243516	HPLC
K/DHM	2.4	Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2280.221			
Methysticin	M	1	2.21	833.644	7.97%	1.06%	6
Dihydromethysticin	DHM	2	3.38	712.845	6.81%	1.33%	5
Kavain	K	3	1	5412.086	51.72%	3.14%	4
Dihydrokavain	DHK	4	3.08	1969.254	18.82%	4.81%	2
Desmethoxyyangonin	DMY	5	2.52	677.937	6.48%	1.08%	1
Yangonin	Y	6	3.12	858.652	8.21%	1.57%	3
Kavalactones			Total:	10464.418	100.00%	12.98%	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 Russell Young Date 5/12/22

SAMPLE S1536 RR
Vial 15

75363g/50mL

wavelength 246 nm

C:\CHEM32\1\DATA\KAVA_05_11_2022_15MINSTDTESTMETHOD 2022-05-11 16-48-22\01->

SEQUENCE C:\CHEM32\1\DATA\KAVA_05_11_2022_ ->

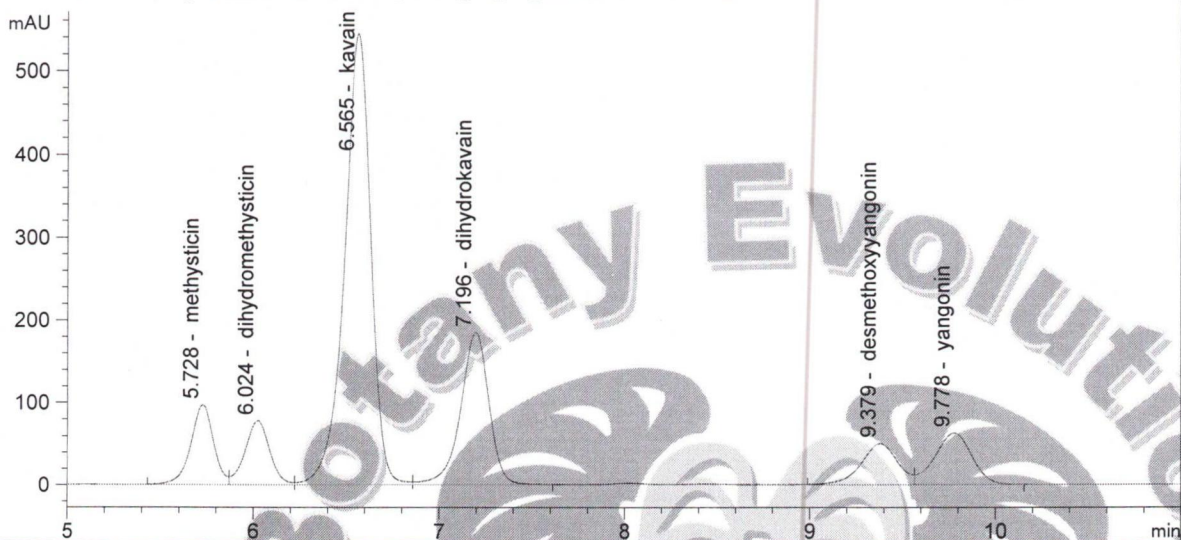
Injection date 5/11/2022

Injection time 10:27:59 PM

Operator KRISTL

Method C:\CHEM32\1\DATA\KAVA_05_11_2022->

DAD1 C, Sig=246,10 Ref=500,60 (KAVA_05_11_2022_15MINSTDTESTMETHOD 2022-05-11 16-48-22\015-1801.D)



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	methysticin	5.728	833.644	7.97	0.000
2	dihydromethysticin	6.024	712.845	6.81	0.000
3	kavain	6.565	5412.086	51.72	0.000
4	dihydrokavain	7.196	1969.254	18.82	0.001
5	desmethoxyyangonin	9.379	677.937	6.48	0.000
6	yangonin	9.778	858.652	8.21	0.000

5/12/22
KJ