

Botany Evolution LLC

2510 Kirby Circle NE
 Palm Bay, FL 32945
 321-802-4583

Certificate Of Analysis

Sample Identification Information

Date of Analysis 1/9/2024
Sample: S2057
Product Name HEADHUNTER
Lot# SIK2309-HH12

Country of Origin SOLOMON ISLANDS
Country of Processing USA
Manufacture Date Sep-23
Best By Date Sep-26

General Product Specifications

Product Species Piper Methysticum
Part Used Root

Common Names Kava kava, Awa, Yagona
Appearance Yellow, Brown, beige powder

Analyzed Characteristics

Specification

Result

Test Method

<u>Standardization</u>	2-17% Kavalactones	11.80%	HPLC
<u>Identification</u>	Complies by HPLC	Conform	HPLC
<u>Kavalactone Profile</u>	Noble	PASS	HPLC
<u>Mesh Size</u>	60-30	60	Sieve
<u>Color</u>	Beige to Yellow	Pass	Visual
<u>Odor</u>		Pass	Organoleptic
<u>Taste</u>		Pass	Organoleptic
<u>Chemotype</u>		423156	HPLC
<u>K/DHM</u>		4.6	Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2362.911			
Methysticin	M	1	2.21	583.539	5.00%	0.72%	6
Dihydromethysticin	DHM	2	3.38	452.702	3.88%	0.85%	5
Kavain	K	3	1	7114.935	61.01%	3.97%	4
Dihydrokavain	DHK	4	3.48	1821.543	15.62%	3.54%	2
Desmethoxyyangonin	DMY	5	2.52	685.352	5.88%	0.96%	1
Yangonin	Y	6	3.12	1002.939	8.60%	1.75%	3
Kavalactones			Total:	11661.010	100.00%	11.80%	423156

*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 1/10/24

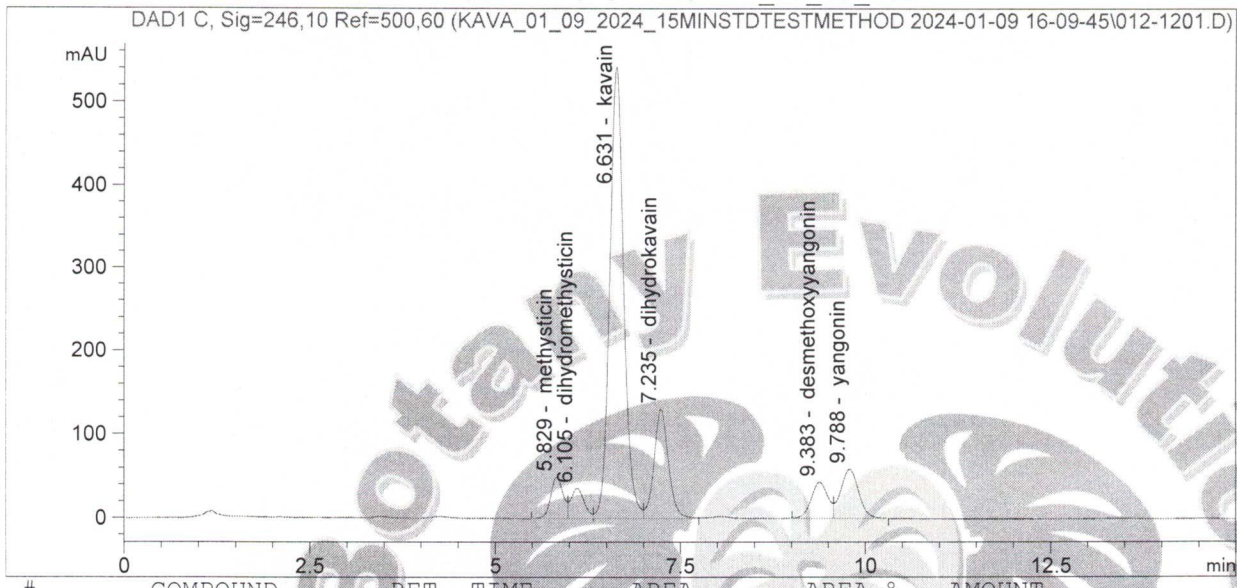
SAMPLE S2057
Vial 12

0.75483g/50mL

wavelength 246 nm

C:\CHEM32\1\DATA\KAVA_01_09_2024_15MINSTDTESTMETHOD 2024-01-09 16-09-45\01->
SEQUENCE C:\CHEM32\1\DATA\KAVA_01_09_2024_ ->

Injection date 1/9/2024
Injection time 8:13:38 PM
Acq. operator KRISTL
Method C:\CHEM32\1\DATA\KAVA_01_09_202->



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	methysticin	5.829	583.539	5.00	0.000
2	dihydromethysticin	6.105	452.702	3.88	0.000
3	kavain	6.631	7114.935	61.01	0.001
4	dihydrokavain	7.235	1821.543	15.62	0.000
5	desmethoxyyangonin	9.383	685.352	5.88	0.000
6	yangonin	9.788	1002.939	8.60	0.000

1/10/24
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