

Botany Evolution LLC

2510 Kirby Circle NE

Palm Bay, FL 32945

321-802-4583

Certificate Of Analysis

Sample Identification Information

Date of Analysis 6/28/2024

Sample: S2145

Product Name QAMEA KAVA

Lot# 6/24

Country of Origin FIJI

Country of Processing NA

Manufacture Date NA

Best By Date NA

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

Standardization

2-17% Kavalactones

12.09%

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

432651

HPLC

K/DHM

2.8

Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2374.334			
Methysticin	M	1	2.21	1566.684	14.24%	2.02%	6
Dihydromethysticin	DHM	2	3.38	625.372	5.68%	1.24%	5
Kavain	K	3	1	5903.045	53.64%	3.45%	4
Dihydrokavain	DHK	4	3.48	1098.372	9.98%	2.23%	2
Desmethoxyyangonin	DMY	5	2.52	458.325	4.17%	0.68%	1
Yangonin	Y	6	3.12	1352.314	12.29%	2.47%	3
Kavalactones			Total:	11004.112	100.00%	12.09%	432651

*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

7/1/24

SAMPLE S2145
Vial 12

0.75506g/50mL

wavelength 246 nm

C:\CHEM32\1\DATA\KAVA_06_28_2024_15MINSTDTESTMETHOD 2024-06-28 17-21-00\01->
SEQUENCE C:\CHEM32\1\DATA\KAVA_06_28_2024_ ->

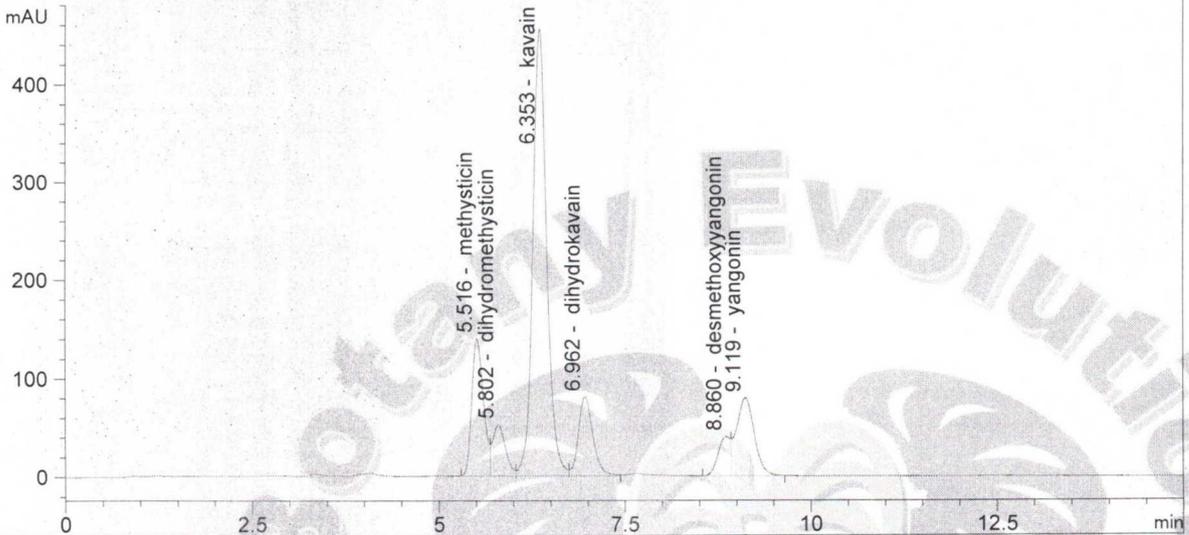
Injection date 6/28/2024

Injection time 9:25:16 PM

Acq. operator KRISTL

Method C:\CHEM32\1\DATA\KAVA_06_28_202->

DAD1 C, Sig=246,10 Ref=500,60 (KAVA_06_28_2024_15MINSTDTESTMETHOD 2024-06-28 17-21-00\012-1201.D)



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	methysticin	5.516	1566.684	14.24	0.000
2	dihydromethysticin	5.802	625.372	5.68	0.000
3	kavain	6.353	5903.045	53.64	0.001
4	dihydrokavain	6.962	1098.372	9.98	0.000
5	desmethoxyyangonin	8.860	458.325	4.17	0.000
6	yangonin	9.119	1352.314	12.29	0.000

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