

Botany Evolution LLC

510 Kirby Circle NE

Palm Bay, FL 32945

321-802-4583

Certificate Of Analysis

Sample Identification Information

Date of Analysis 7/3/2024
Sample: S2152
Product Name PREMIUM INSTANT
Lot# VPS2401-PI7

Country of Origin VANUATU
Country of Processing USA
Manufacture Date Jan-24
Best By Date Jan-27

General Product Specifications

Product Species Piper Methysticum
Part Used Root

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

<u>Analyzed Characteristics</u>	<u>Specification</u>	<u>Result</u>	<u>Test Method</u>
<u>Standardization</u>	2-17% Kavalactones	7.10%	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>		243516	HPLC
<u>K/DHM</u>		3.7	Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2365.094			
Methysticin	M	1	2.21	300.588	4.66%	0.39%	6
Dihydromethysticin	DHM	2	3.38	298.738	4.63%	0.59%	5
Kavain	K	3	1	3765.295	58.38%	2.20%	4
Dihydrokavain	DHK	4	3.48	1130.285	17.52%	2.30%	2
Desmethoxyyangonin	DMY	5	2.52	353.168	5.48%	0.52%	1
Yangonin	Y	6	3.12	601.958	9.33%	1.10%	3
Kavalactones			Total:	6450.032	100.00%	7.10%	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

Mustel Youngs

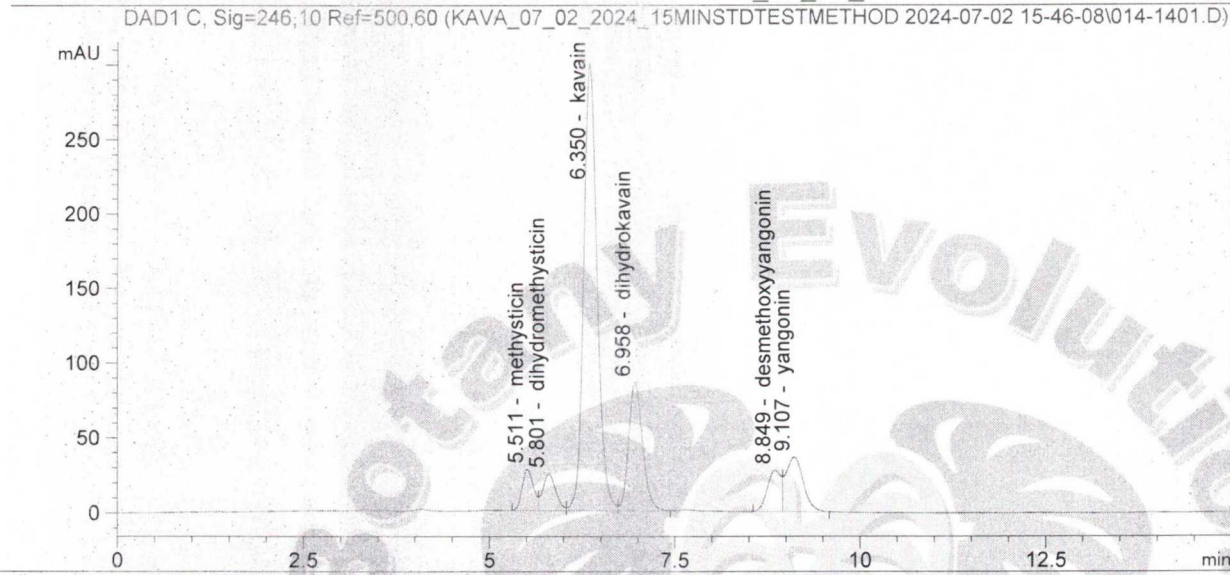
Date

7/3/24

SAMPLE S2152
Vial 14

.75791g/50mL

avelength 246 nm
:\CHEM32\1\DATA\KAVA_07_02_2024_15MINSTDTESTMETHOD 2024-07-02 15-46-08\01->
EQUENCE C:\CHEM32\1\DATA\KAVA_07_02_2024_ ->
njection date 7/2/2024
njection time 8:21:25 PM
cq. operator KRISTL
ethod C:\CHEM32\1\DATA\KAVA_07_02_202->



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	methysticin	5.511	300.588	4.66	0.000
2	dihydromethysticin	5.801	298.738	4.63	0.000
3	kavain	6.350	3765.295	58.38	0.000
4	dihydrokavain	6.958	1130.285	17.52	0.000
5	desmethoxyyangonin	8.849	353.168	5.48	0.000
6	yangonin	9.107	601.958	9.33	0.000

7/3/24
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