otany Evolution LLC

510 Kirby Circle NE alm Bay, FL 32945 21-802-4583

Certificate Of Analysis

ample Identification Information

Date of Analysis 7/10/2023	Country of Origin	VANUATU
Sample: \$1925	Country of Processing	USA
Product Name LATERAL ROOTS	Manufacture Date	Apr-23
Lot# VSSC2304-LR7	Best By Date	Apr-26

General Product Specifications

Product Species Piper Methysticum Part Used Root

Common Names Appearance

Kava kava, Awa, Yagona Yellow, Brown, beige powder

Specification	Result	Test Method
2-17% Kavalactones	12.73%	HPLC
Complies by HPLC	Conform	HPLC
Noble	PASS	HPLC
60-30	60	Sieve
Beige to Yellow	Pass	Visual
	Pass	Organoleptic
	Pass	Organoleptic
	245361	HPLC
	1.5	Calculation

Standardization
Identification
Kavalactone Profile
Mesh Size
Color
Odor a C
Taste

Analyzed Characteristics

Chemotype K/DHM

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	к	5.00		2334.351	4		
Methysticin	м	1	2.21	1245.857	12.16%	1.54%	6
Dihydromethysticin	DHM	2	3.38	994.465	9.71%	1.82%	5
Cavain	к	3	1	4731.044	46.19%	2.68%	4
Dihydrokavain	DHK	4	3.08	1698.558	16.58%	4.04%	2
Desmethoxyyangonin	DMY	5	2.52	670.332	6.54%	1.04%	1
'angonin	Y	6	3.12	902.234	8.81%	1.61%	3
Kavalactones			Total:	10242.490	100.00%	12.73%	245361

*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

Date

