## **Botany Evolution LLC**

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

## **Certificate Of Analysis**

**Common Names** 

Appearance

## Sample Identification Information

Date of Analyis 2/18/2022	Country of Origin	VANUATU
<b>Sample:</b> S1454	Country of Processing	USA
Product Name BLACK LABEL	Manufacture Date	01/17/22
Lot# VPS220117BL	Best By Date	01/17/25

## General Product Specifications

Product Species Piper Methysticum Part Used Root

Analyzed Characteristics **Standardization Identification Kavalactone Profile** Mesh Size

> Color Odor

> > Taste

Chemotype K/DHM Specification 2-17% Kavalactones **Complies by HPLC** Noble 60-30 Beige to Yellow

Kava kava, Awa, Yagona Yellow, beige powder

Result	Test Method
10.70%	HPLC
Conform	HPLC
PASS	HPLC
60	Sieve
Pass	Visual
Pass	Organoleptic
Pass	Organoleptic
243156	HPLC
3.9	Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	к	5		2402.604			
/lethysticin	М	1	2.21	647.36	6.55%	0.78%	6
Dihydromethysticin	DHM	2	3.38	463.347	4.69%	0.82%	5
avain	к	3	1	5777.631	58.43%	3.18%	4
vihydrokavain	DHK	4	3.08	1504.996	15.22%	3.49%	2
esmethoxyyangonin	DMY	5	2.52	735.258	7.44%	1.11%	1
angonin	Y	6	3.12	759.541	7.68%	1.32%	3
Kavalactones			Total:	9888.133	100.00%	10.70%	243156

See data in attachment HPLC1100 Agilent Certificate with Chromatogram graph.

his result are in house tested and the best of our knowledge and experience. Using calibrated equipment.

Ve are dedicated to offer the best Quality of Botanical products on the market. We test and stand behind our products.

isclaimer\* the test results are accurate to the best of our knowledge and are based upon reputable laboratory and industry standard testing methods.

hese 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

n house quality control department or obtain an additional independent third party lab to verify that this material meets specifications

otany Evolution, its board of directors, contract laboratories, employees, and affiliates are held harmless from any loss or damages resulting from the

ise or misuse of this document. The appropriate use of this product is the sole responsibility of the user of the purchasing party.

Chemist

Date

