## **Botany Evolution LLC**

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

## **Certificate Of Analysis**

Sample	Identification	Information
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Date of Analyis 11/14	1/2022	<u>Country of Origin</u>	VANUATU	
Sample: S175	2	Country of Processing	USA	
Product Name LATER	RAL ROOTS	Manufacture Date	September-22	
Lot# VSSC	2209LR-1107	<u>Best By Date</u>	September-25	
<b>General Product Specific</b>	ations			
Product Species Pipe	r Methysticum	<u>Common Names</u>	Kava kava, Awa	, Yagona
Part Used Root		Appearance	Yellow, beige pov	wder
		EVIA	1 miles	
Analyzed Characteristics	Specification	Result	Al An	Test Method
<b>Standardization</b>	2-17% Kavalactones	11.11%		HPLC
<b>Identification</b>	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
<u>Taste</u>		Pass		Organoleptic
Chemotype		243165		HPLC
<u>K/DHM</u>		3.1		Calculation
				1

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	к	5.5		2399.438			
Methysticin	м	1	2.21	878.311	8.64%	1.06%	6
Dihydromethysticin	DHM	2	3.38	566.545	5.57%	1.01%	5
Kavain	к	3	1	5742.411	56.47%	3.17%	4
Dihydrokavain	DHK	4	3.08	1444.441	14.20%	3.36%	2
Desmethoxyyangonin	DMY	5	2.52	718.711	7.07%	1.09%	1
Yangonin	Y	6	3.12	818.88	8.05%	1.43%	3
Kavalactones			Total:	10169.299	100.00%	11.11%	243165

\*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.

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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

11/14/22 Date

