Botany Evolution LLC

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

Certificate Of Analysis

Sample Identification Information

Date of Analysis 11/6/2023	Country of Origin	VANUATU
Sample: S2021	Country of Processing	USA
Product Name LATERAL ROOTS	Manufacture Date	Apr-23
Lot# VSSC2304-LR11	Best By Date	Apr-26

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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	12.23%	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
	2-17% Kavalactones Complies by HPLC Noble 60-30	2-17% Kavalactones12.23%Complies by HPLCConformNoblePASS60-3060Beige to YellowPassPassPass245361

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	к			2339.488	0.0		
Methysticin	М	1	2.21	1245.565	12.63%	1.54%	6
Dihydromethysticin	DHM	2	3.38	955.023	9.68%	1.74%	5
Kavain	К	3	1	4526.299	45.90%	2.56%	4
Dihydrokavain	DHK	4	3.08	1582.583	16.05%	3.77%	2
Desmethoxyyangonin	DMY	5	2.52	655.746	6.65%	1.02%	1
Yangonin	Y	6	3.12	896.933	9.09%	1.60%	3
Kavalactones			Total:	9862.149	100.00%	12.23%	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.

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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

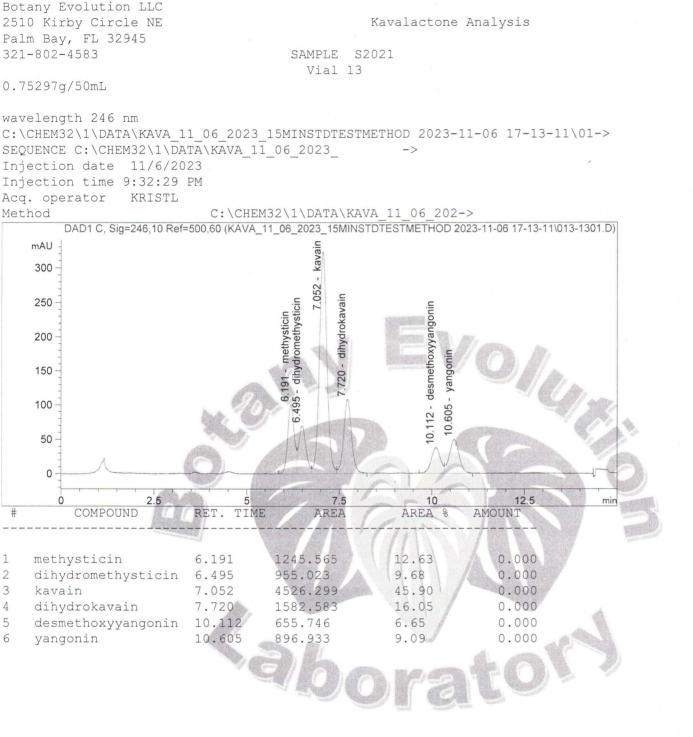
in house quality control department or obtain an additional independent third party lab to verify that this material meets specifications

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Chemist_

11/7/23 Date



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