## **Botany Evolution LLC**

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

## **Certificate Of Analysis**

Sample	e Iden	tification	Information

Date of Analyis 5/4/2020	Country of Origin	VANUATU
Sample: S0862	Country of Processing	USA
Product Name INSTANT CEREMONIAL	Manufacture Date	04/15/20
Lot# VBE200415CI	Best By Date	04/15/23

## **General Product Specifications**

Product Species Piper Methysticum
Part Used Root

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

Analyzed Characteristics	Specification	Result	Test Method
<b>Standardization</b>	2-17% Kavalactones	6.38%	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
<u>Odor</u>	110	Pass	Organoleptic
<u>Taste</u>		Pass	Organoleptic
Chemotype		243516	HPLC
<u>K/DHM</u>		2.81	Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	к	End	Line	2499.408	40	1030	
Methysticin	м	1	2.21	452.717	7.69%	0.53%	6
Dihydromethysticin	DHM	2	3.38	358.132	6.08%	0.62%	5
Kavain	к	3	1	3245.668	55.10%	1.73%	4
Dihydrokavain	DHK	4	3.08	860.732	14.61%	1.94%	2
Desmethoxyyangonin	DMY	5	2.52	384.631	6.53%	0.56%	1
Yangonin	Y	6	3.12	588.19	9.99%	0.99%	3
Kavalactones			Total:	5890.070	100.00%	6.38%	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.

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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

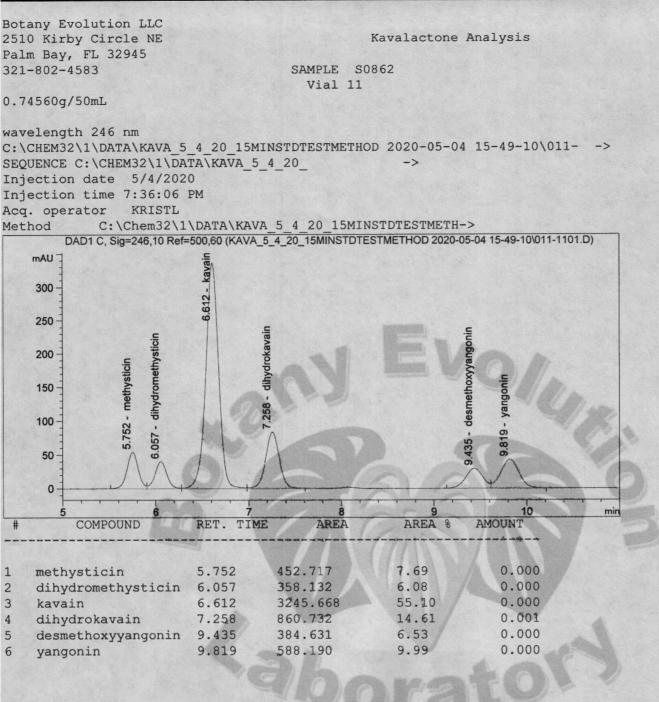
in house quality control department or obtain an additional independent third party lab to verify that this material meets specifications

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Chemist

5/5/20 Date



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