## **Botany Evolution LLC**

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

## **Certificate Of Analysis**

## Sample Identification Information

Date of Analyis 10/19/2022 Sample: S1732 Product Name TRADITIONAL Lot# VSSC2209-TR

## **General Product Specifications**

<u>Product Species</u> Piper Methysticum <u>Part Used</u> Root <u>Country of Origin</u> <u>Country of Processing</u> <u>Manufacture Date</u> Best By Date

MIX RATIO Common Names Appearance VANUATU USA September-22 September-25

70 BR/30 LR Kava kava, Awa, Yagona Yellow, beige powder

Specification	Result	Test Method		
2-17% Kavalactones	8.41%	HPLC		
Complies by HPLC	Conform	HPLC		
Noble	PASS	HPLC		
60-30	60	Sieve		
Beige to Yellow	Pass	Visual		
	Pass	Organoleptic		
- WYAR	Pass	Organoleptic		
	245361	HPLC		
	1.5	Calculation		
	2-17% Kavalactones Complies by HPLC Noble 60-30	2-17% Kavalactones8.41%Complies by HPLCConformNoblePASS60-3060Beige to YellowPassPassPass245361		

Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
к	6.23	NI.	2363.158			
м	1	2.21	731.324	10.82%	0.89%	6
DHM	2	3.38	658.969	9.75%	1.18%	5
к	3	1	3121.327	46.18%	1.74%	4
DHK	4	3.08	1273.862	18.85%	2.98%	2
DMY	5	2.52	448.253	6.63%	0.68%	1
Y	6	3.12	525.922	7.78%	0.92%	3
		Total:	6759.657	100.00%	8.41%	245361
	K M DHM K DHK DMY	Code(elution order)K1DHM2K3DHK4DMY5	Code Feator   K Factor   M 1 2.21   DHM 2 3.38   K 3 1   DHK 4 3.08   DMY 5 2.52   Y 6 3.12	Code Factor Area *   K Factor Z363.158   M 1 2.21 731.324   DHM 2 3.38 658.969   K 3 1 3121.327   DHK 4 3.08 1273.862   DMY 5 2.52 448.253   Y 6 3.12 525.922	Code Factor Area * Area %   K 2363.158 Area %   M 1 2.21 731.324 10.82%   DHM 2 3.38 658.969 9.75%   K 3 1 3121.327 46.18%   DHK 4 3.08 1273.862 18.85%   DMY 5 2.52 448.253 6.63%   Y 6 3.12 525.922 7.78%	Code Itention ordering Factor Area * Area % Area % Kavalactones   K 2363.158 10.82% 0.89% 1   M 1 2.21 731.324 10.82% 0.89% 1   DHM 2 3.38 658.969 9.75% 1.18% 1   K 3 1 3121.327 46.18% 1.74% 1   DHK 4 3.08 1273.862 18.85% 2.98% 1   DMY 5 2.52 448.253 6.63% 0.68% 1   Y 6 3.12 525.922 7.78% 0.92% 1

\*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

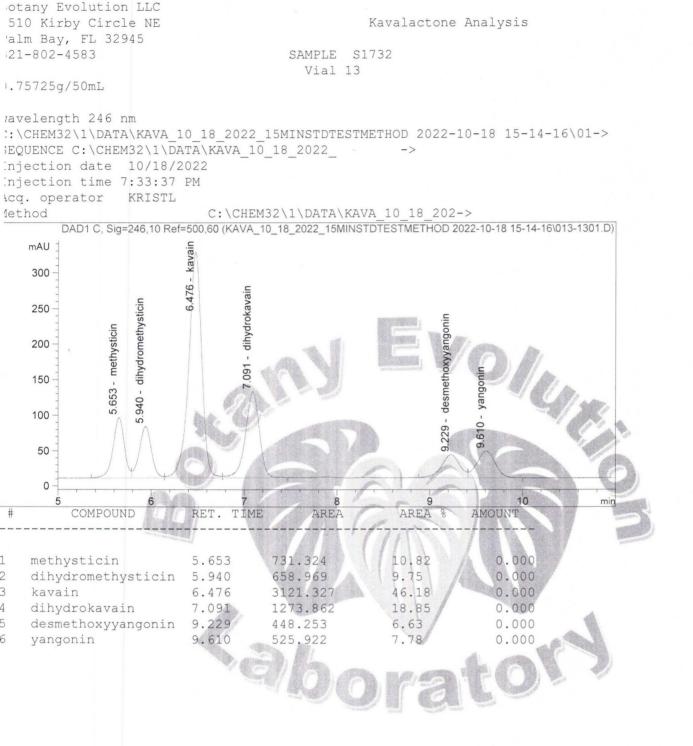
in house quality control department or obtain an additional independent third party lab to verify that this material meets specifications

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MISTO Chemist

10/20/22 Date



10/20/22