Botany Evolution LLC

CERTIFICATE OF ANALYSIS

GENERAL INFORMATION

	S2185 raditional SC2408-T9 SPECIFICATION	Country of Process Manufacture D Best By D	ate	USA Aug-24
Lot Number VSS	5C2408-T9	Best By D		-
ITEM		,	ate	
	SPECIFICATION	and the second		Aug-27
IYSICAL & CHEMICAL		TEST RES	METHOD	
Identification	Piper methysticum	Compli	es	HPLC
Appearance	Beige to Yellow Powder	Complies		Organoleptic
Kavalactone Standard	2-17 % Kavalactones	8.69%		HPLC
Kavalactone Profile	Noble	Pass		HPLC
Chemotype If	# 5 is in 1st or 2nd in Abundance	245361		HPLC
K/DHM	> 1.2 for Noble	1.6		Calculation
AVY METALS				100 m
AVTIVIETALS		Results		China and
Arsenic (As)	NMT 1,000 (ppb)*	44	ppb	FDA EAM 4.7
Cadmium (Cd)	NMT 1,000 (ppb)*	560	ppb	FDA EAM 4.7
Lead (Pb)	NMT 1,000 (ppb)*	63	ppb	FDA EAM 4.7
Mercury (Hg)	NMT 1,000 (ppb)*	< 10	ppb	FDA EAM 4.7
*Heavy Metals Action Limits Based on Ma	aximum PDE at 5% Kavalactones. Results Ma	y Exceed 1,000 ppb actio		avalactone contents.
00				
ICROBIOLOGICAL				
		Results		
AEROBIC PLATE COUNT	NMT 10,000,000 cfu	230,000	cfu / 10 g	USP 61
E. COLI	ABSENT (cfu/10g)	Absent	cfu / 10 g	USP 62
PSEUDOMONAS AERUGINOSA	ABSENT (cfu/10g)	Absent	cfu / 10 g	USP 62
SALMONELLA	ABSENT (cfu/10g)	Absent	cfu / 10 g	USP 62
STAPHYLOCOCCUS AUREUS	ABSENT (cfu/10g)	Absent	cfu / 10 g	USP 62
YEAST	NMT 100,000 cfu (Combined)	160	cfu / 10 g	
MOLD		16,700	cfu / 10 g	USP 2021
TOTAL YEAST & MOLD	NMT 100,000 cfu (Combined)	16,860	cfu / 10 g	

Analysis Performed by a Third-Party Laboratory

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.

Authorized By (Name / Title): Jony Subeh Manager______Signature: Juy Sale

Botany Evolution LLC

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

Certificate Of Analysis

Sample Identification Information

Date of Analysis 9/30/2024	Country of Origin	VANUATU	
Sample: S2185	Country of Processing	USA	
Product Name TABOO	Manufacture Date	Aug-24	
Lot# VSSC2408-T9	Best By Date	Aug-27	

General Product Specifications

Analyzed Characteristics

Standardization

Kavalactone Profile

Identification

Mesh Size

Chemotype

K/DHM

Color

Odor Taste

Product Species Piper Methysticum Part Used Root

Common Names Appearance

Kava kava, Awa, Yagona Yellow, Brown, beige powder

10/2/24

Date

	Land States But	
Specification	Result	Test Method
2-17% Kavalactones	8.69%	HPLC
Complies by HPLC	Conform	HPLC
Noble	PASS	HPLC
60-30	60	Sieve
Beige to Yellow	Pass	Visual
1.0	Pass	Organoleptic
	Pass	Organoleptic
	245361	HPLC
	1.6	Calculation
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Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K		1	2410.878	10	C Ma	
Methysticin	M	1	2.21	763.714	10.25%	0.97%	6
Dihydromethysticin	DHM	2	3.38	692.124	9.29%	1.35%	5
Kavain	K	3	. 1	3679.7	49.41%	2.12%	4
Dihydrokavain	DHK	4	3.48	1237.126	16.61%	2.48%	2
Desmethoxyyangonin	DMY	5	2.52	446.914	6.00%	0.65%	1
Yangonin	Y	6	3.12	628.148	8.43%	1.13%	3
Kavalactones			Total:	7447.726	100.00%	8.69%	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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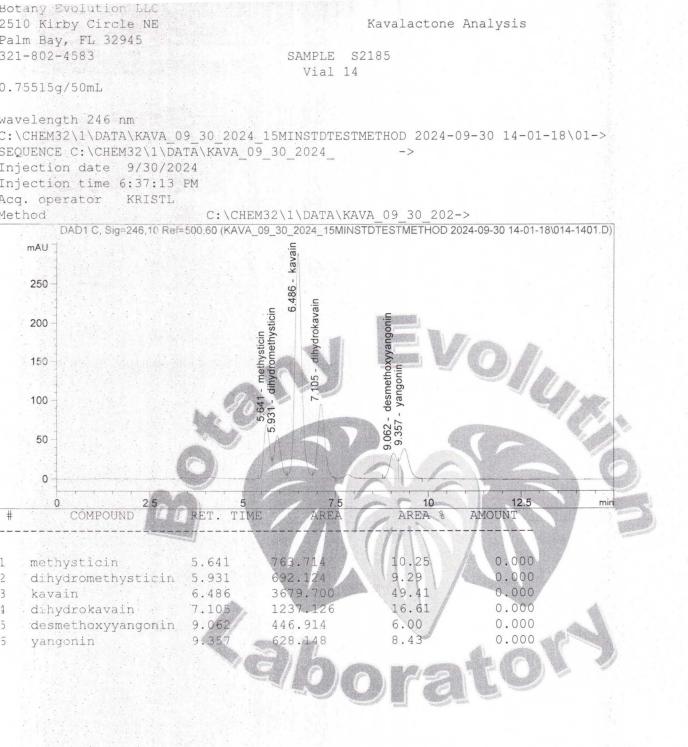
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Chemist



16/2/24