

CERTIFICATE OF ANALYSIS

GENERAL INFORMATION

Report Date	6-May-2025	Country of Origin	Vanuatu
Sample Number	S2246	Country of Processing	USA
Product Name	Taboo	Manufacture Date	May-25
Lot Number	VSSC2504-T5	Best By Date	May-28

ITEM	SPECIFICATION	TEST RESULTS	METHOD
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PHYSICAL & CHEMICAL

Identification	Piper methysticum	Complies	HPLC
Appearance	Beige to Yellow Powder	Complies	Organoleptic
Kavalactone Standard	2-17 % Kavalactones	8.58%	HPLC
Kavalactone Profile	Noble	Pass	HPLC
Chemotype	If # 5 is in 1st or 2nd in Abundance	245361	HPLC
K/DHM	> 1.2 for Noble	1.8	Calculation

HEAVY METALS

		Results	
Arsenic (As)	NMT 1,000 (ppb)*	34.8	ppb
Cadmium (Cd)	NMT 1,000 (ppb)*	399	ppb
Lead (Pb)	NMT 1,000 (ppb)*	51.1	ppb
Mercury (Hg)	NMT 1,000 (ppb)*	< 10	ppb

*Heavy Metals Action Limits Based on Maximum PDE at 5% Kavalactones. Results May Exceed 1,000 ppb action limit with higher kavalactone contents.

MICROBIOLOGICAL

		Results	
AEROBIC PLATE COUNT	NMT 10,000,000 cfu	22,000	cfu / 10 g
E. COLI	ABSENT (cfu/10g)	Negative	cfu / 10 g
LISTERIA MONOCYTOGENES	ABSENT (cfu/10g)	Negative	cfu / 10 g
PSEUDOMONAS AERUGINOSA	ABSENT (cfu/10g)	Negative	cfu / 10 g
SALMONELLA	ABSENT (cfu/10g)	Negative	cfu / 10 g
STAPHYLOCOCCUS AUREUS	ABSENT (cfu/10g)	Negative	cfu / 10 g
YEAST	NMT 100,000 cfu (Combined)	< 10	cfu / 10 g
MOLD		405	cfu / 10 g
TOTAL YEAST & MOLD	NMT 100,000 cfu (Combined)	415	cfu / 10 g

cfu/g = Colony Forming Units Per Gram NMT = No More Than PDE = Permitted Daily Exposure PPB = Parts Per Billion

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.

Kava Republic, 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): Tony Sabeh / Manager Signature: Tony Sabeh

Botany Evolution LLC

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Palm Bay, FL 32905
321-802-4583

Certificate Of Analysis

Sample Identification Information

Date of Analysis 5/6/2025
Sample: S2246
Product Name TABOO
Lot# VSSC2504-T5

Country of Origin VANUATU
Country of Processing USA
Manufacture Date May-25
Best By Date May-28

General Product Specifications

Product Species Piper Methysticum
Part Used Root

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

Analyzed Characteristics	Specification	Result	Test Method
<u>Standardization</u>	2-17% Kavalactones	8.58%	HPLC
<u>Identification</u>	Complies by HPLC	Conform	HPLC
<u>Kavalactone Profile</u>	Noble	PASS	HPLC
<u>Mesh Size</u>	60-30	60	Sieve
<u>Color</u>	Beige to Yellow	Pass	Visual
<u>Odor</u>		Pass	Organoleptic
<u>Taste</u>		Pass	Organoleptic
<u>Chemotype</u>		245361	HPLC
<u>K/DHM</u>	TUDEI < 1.2 > NOBLE	1.8	Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2339.823			
Methysticin	M	1	2.21	667.143	9.29%	0.88%	6
Dihydromethysticin	DHM	2	3.38	612.434	8.53%	1.23%	5
Kavain	K	3	1	3635.624	50.62%	2.16%	4
Dihydrokavain	DHK	4	3.48	1250.348	17.41%	2.58%	2
Desmethoxyyangonin	DMY	5	2.52	424.411	5.91%	0.63%	1
Yangonin	Y	6	3.12	592.187	8.25%	1.10%	3
Kavalactones			Total:	7182.147	100.00%	8.58%	245361

*See data in attachment HPLC1100 Agilent Certificate with Chromatogram graph.

This result is in house tested and the best of our knowledge and experience. Using calibrated equipment.
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Chemist Mustie Youngs Date 5/7/25

SAMPLE S2246
Vial 11

0.75448g/50mL

wavelength 246 nm

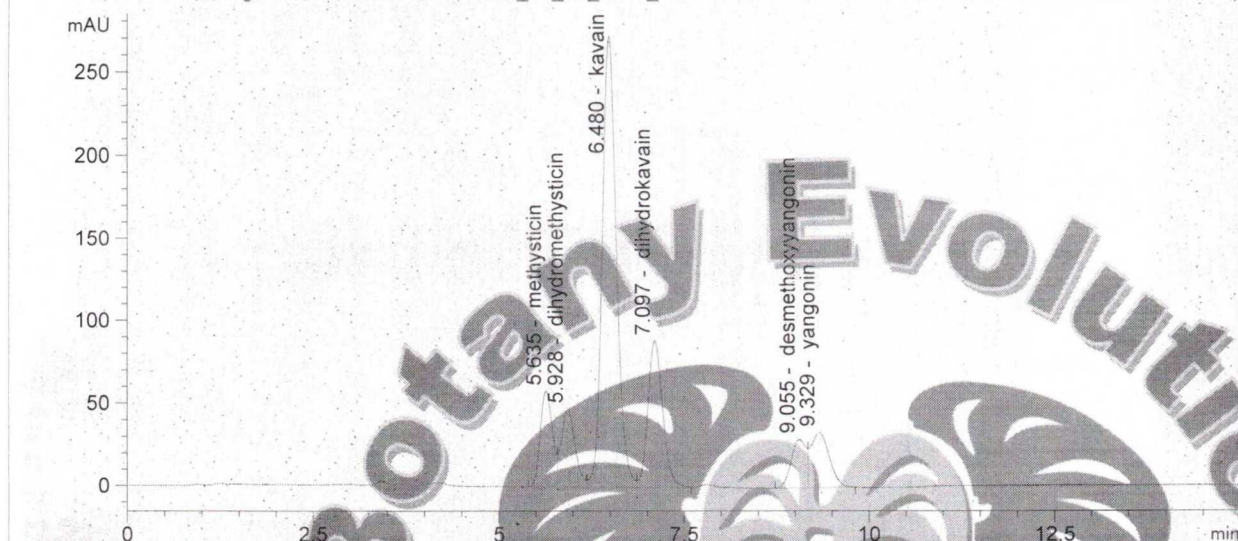
C:\CHEM32\1\DATA\KAVA_05_06_2025_15MINSTDTESTMETHOD 2025-05-06 15-18-55\01->
SEQUENCE C:\CHEM32\1\DATA\KAVA_05_06_2025_ ->

Injection date 5/6/2025
Injection time 7:06:01 PM

Acq. operator KRISTL

Method C:\CHEM32\1\DATA\KAVA_05_06_202->

DAD1.C, Sig=246,10 Ref=500,60 (KAVA_05_06_2025_15MINSTDTESTMETHOD 2025-05-06 15-18-55\011-1101.D)



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	methysticin	5.635	667.143	9.29	0.000
2	dihydromethysticin	5.928	612.434	8.53	0.000
3	kavain	6.480	3635.624	50.62	0.000
4	dihydrokavain	7.097	1250.348	17.41	0.000
5	desmethoxyyangonin	9.055	424.411	5.91	0.000
6	yangonin	9.329	592.187	8.25	0.000

5/7/25
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