

# CERTIFICATE OF ANALYSIS

## GENERAL INFORMATION

Report Date	11/20/2025	Country of Origin	Vanuatu
Sample Number	S2323	Country of Processing	USA
Product Name	Taboo	Manufacture Date	Nov-25
Lot Number	VSSC2511T11	Best By Date	Nov-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	8.70%	HPLC
Kavalactone Profile	Noble	Pass	HPLC
Chemotype	If # 5 is in 1st or 2nd in Abundance	245361	HPLC
K/DHM	> 1.2 for Noble	1.4	Calculation

## HEAVY METALS

		Results	
Arsenic (As)	NMT 1,000 (ppb)*	50	ppb
Cadmium (Cd)	NMT 1,000 (ppb)*	286	ppb
Lead (Pb)	NMT 1,000 (ppb)*	67	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	6,150	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)	4,200	cfu / 10 g
MOLD		300	cfu / 10 g
TOTAL YEAST & MOLD	NMT 100,000 cfu (Combined)	4,500	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.

Completed By:



Title:

Manager

Date:

11/26/2025



Kava Republic Inc.  
2510 Kirby Circle NE  
Palm Bay, FL 32905  
321-802-4583

Certificate Of Analysis

Sample Identification Information

<u>Date of Analysis</u>	11/20/2025	<u>Country of Origin</u>	Vanuatu
<u>Sample:</u>	S2323	<u>Country of Processing</u>	USA
<u>Product Name</u>	Taboo	<u>Manufacture Date</u>	Nov-25
<u>Lot#</u>	VSSC2511T11	<u>Best By Date</u>	Nov-28

General Product Specifications

<u>Product Species</u>	Piper Methysticum	<u>Common Names</u>	Kava kava, Awa, Yagona
<u>Part Used</u>	Root	<u>Appearance</u>	Yellow, Brown, beige powder

Analyzed Characteristics	Specification	Result	Test Method
<u>Standardization</u>	2-17% Kavalactones	8.70%	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	1.4	Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2438.178			
Methysticin	M	1	2.21	762.011	10.51%	0.96%	6
Dihydromethysticin	DHM	2	3.38	735.711	10.14%	1.42%	5
Kavain	K	3	1	3372.108	46.49%	1.93%	4
Dihydrokavain	DHK	4	3.48	1370.737	18.90%	2.73%	2
Desmethoxyyangonin	DMY	5	2.52	439.766	6.06%	0.63%	1
Yangonin	Y	6	3.12	572.631	7.90%	1.02%	3
Kavalactones			Total:	7252.964	100.00%	8.70%	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 *Nisha P. Smith*

Date *11/25/25*



SAMPLE S2323  
Vial 14

0.75110g/50mL

wavelength 246 nm

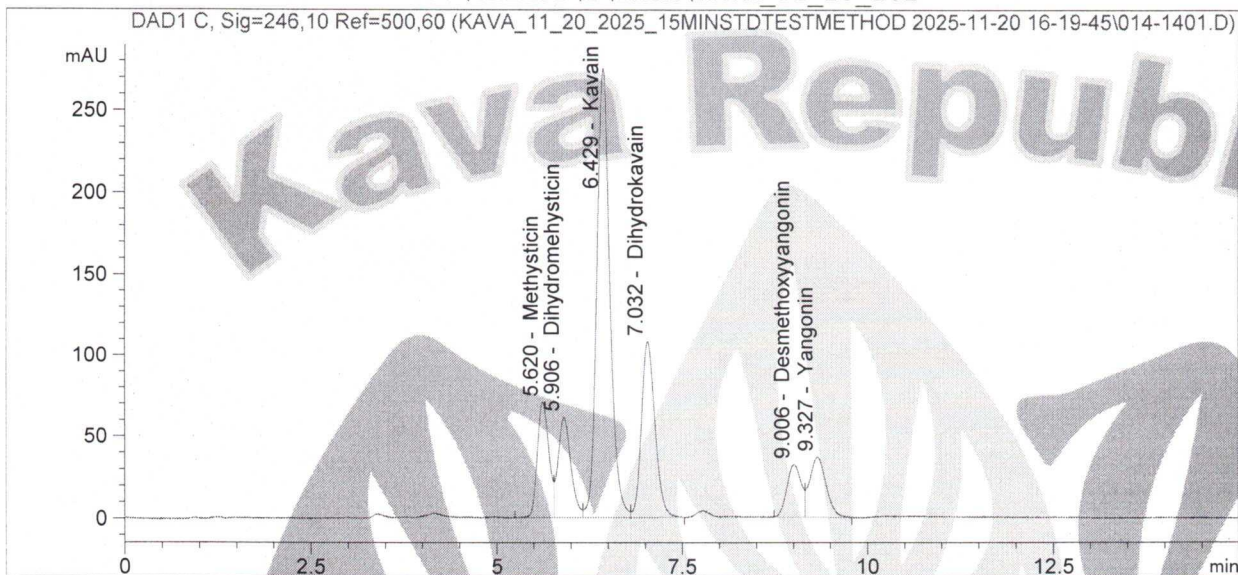
C:\CHEM32\1\DATA\KAVA\_11\_20\_2025\_15MINSTDTESTMETHOD 2025-11-20 16-19-45\01->  
SEQUENCE C:\CHEM32\1\DATA\KAVA\_11\_20\_2025\_ ->

Injection date 11/20/2025

Injection time 8:55:28 PM

Acq. operator KRISTL

Method C:\CHEM32\1\DATA\KAVA\_11\_20\_202->



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	Methysticin	5.620	762.011	10.51	0.001
2	Dihydromethysticin	5.906	735.711	10.14	0.001
3	Kavain	6.429	3372.108	46.49	0.000
4	Dihydrokavain	7.032	1370.737	18.90	0.002
5	Desmethoxyyangonin	9.006	439.766	6.06	0.001
6	Yangonin	9.327	572.631	7.90	0.001