

# CERTIFICATE OF ANALYSIS

## GENERAL INFORMATION

Report Date	1/5/2026	Country of Origin	Vanuatu
Sample Number	S2336	Country of Processing	USA
Product Name	Premium Chips	Manufacture Date	Oct-25
Lot Number	VPS2510PC1	Best By Date	Oct-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	8.84%	HPLC
Kavalactone Profile	Noble	Pass	HPLC
Chemotype	If # 5 is in 1st or 2nd in Abundance	243516	HPLC
K/DHM	> 1.2 for Noble	3.1	Calculation

## HEAVY METALS

		Results		
Arsenic (As)	NMT 1,000 (ppb)*	10	ppb	FDA EAM 4.7
Cadmium (Cd)	NMT 1,000 (ppb)*	272	ppb	FDA EAM 4.7
Lead (Pb)	NMT 1,000 (ppb)*	32.7	ppb	FDA EAM 4.7
Mercury (Hg)	NMT 1,000 (ppb)*	10	ppb	FDA EAM 4.7

\*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	15,000	cfu / 10 g	USP 2021
E. COLI	ABSENT (cfu/10g)	Negative	cfu / 10 g	USP 2022
LISTERIA MONOCYTOGENES	ABSENT (cfu/10g)	Negative	cfu / 10 g	USP 2022
PSEUDOMONAS AERUGINOSA	ABSENT (cfu/10g)	Negative	cfu / 10 g	USP 2022
SALMONELLA	ABSENT (cfu/10g)	Negative	cfu / 10 g	USP 2022
STAPHYLOCOCCUS AUREUS	ABSENT (cfu/10g)	Negative	cfu / 10 g	USP 2022
YEAST	NMT 100,000 cfu (Combined)	60,000	cfu / 10 g	
MOLD		100	cfu / 10 g	USP 2021
TOTAL YEAST & MOLD	NMT 100,000 cfu (Combined)	60,100	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

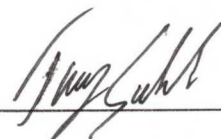
We are dedicated to offer the best quality of botanical products on the market. We test and stand behind our products.

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:

21/Jan/2026



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>	1/20/2026	<u>Country of Origin</u>	Vaunatu
<u>Sample:</u>	S2336	<u>Country of Processing</u>	USA
<u>Product Name</u>	Premium chips	<u>Manufacture Date</u>	Oct-25
<u>Lot#</u>	VPS2510PC1	<u>Best By Date</u>	Oct-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	8.84%	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>		243516	HPLC
<u>K/DHM</u>	TUDEI < 1.2 < NOBLE	3.1	Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2612.914			
Methysticin	M	1	2.21	462.349	5.38%	0.55%	6
Dihydromethysticin	DHM	2	3.38	467.248	5.43%	0.84%	5
Kavain	K	3	1	4846.526	56.36%	2.59%	4
Dihydrokavain	DHK	4	3.48	1666.027	19.37%	3.10%	2
Desmethoxyyangonin	DMY	5	2.52	512.46	5.96%	0.69%	1
Yangonin	Y	6	3.12	644.809	7.50%	1.08%	3
Kavalactones			Total:	8599.419	100.00%	8.84%	243516

\*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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SAMPLE S2336 RR  
Vial 13

0.75050g/50mL

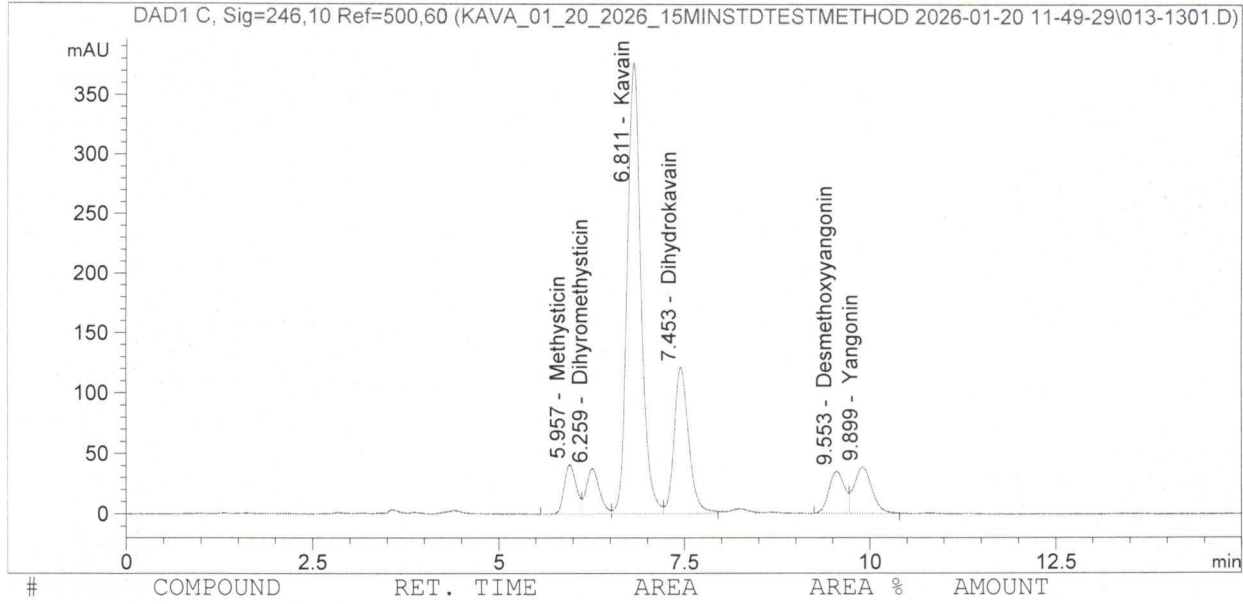
wavelength 246 nm

C:\CHEM32\1\DATA\KAVA\_01\_20\_2026\_15MINSTDTESTMETHOD 2026-01-20 11-49-29\01->  
SEQUENCE C:\CHEM32\1\DATA\KAVA\_01\_20\_2026\_ ->

Injection date 1/20/2026  
Injection time 11:41:19 PM

Acq. operator Marjan

Method C:\Chem32\1\METHODS\SLOWFLOW.M



1	Methysticin	5.957	462.349	5.38	0.000
2	Dihyromethysticin	6.259	467.248	5.43	0.001
3	Kavain	6.811	4846.526	56.36	0.000
4	Dihydrokavain	7.453	1666.027	19.37	0.002
5	Desmethoxyyangonin	9.553	512.460	5.96	0.000
6	Yangonin	9.899	644.809	7.50	0.001