

## CERTIFICATE OF ANALYSIS

## GENERAL INFORMATION

Report Date	1/22/2026	Country of Origin	China
Sample Number	S2338	Country of Processing	USA
Product Name	70% Kavalactone Extract	Manufacture Date	Jan-26
Lot Number	CJ2601KE70L	Best By Date	Jan-29

ITEM	SPECIFICATION	TEST RESULTS	METHOD
------	---------------	--------------	--------

## PHYSICAL &amp; CHEMICAL

Identification	Piper methysticum	Complies	HPLC
Appearance	Beige to Yellow Powder	Complies	Organoleptic
Kavalactone Standard	2-17 % Kavalactones	71.10%	HPLC
Kavalactone Profile	Noble	Pass	HPLC
Chemotype	If # 5 is in 1st or 2nd in Abundance	423516	HPLC
K/DHM	> 1.2 for Noble	3.7	Calculation

## HEAVY METALS

		Results	
Arsenic (As)	NMT 1,000 (ppb)*	48.4	ppb
Cadmium (Cd)	NMT 1,000 (ppb)*	0.7	ppb
Lead (Pb)	NMT 1,000 (ppb)*	4.1	ppb
Mercury (Hg)	NMT 1,000 (ppb)*	14.5	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	150	cfu / 10 g
E. COLI	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)	70	cfu / 10 g
MOLD	NMT 100,000 cfu (Combined)	70	cfu / 10 g
TOTAL YEAST & MOLD		140	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: 1/23/2026

## Certificate Of Analysis

Sample Identification InformationDate of Analysis 1/22/2026Sample: S2338Country of Origin ChinaCountry of Processing USAManufacture Date Jan-26Best By Date Jan-29Product Name 70% Kavalactone ExtractBatch # CJ2601KE70LCommon Names Kava kava, Awa, YagonaAppearance YELLOW LIQUIDGeneral Product SpecificationsProduct Species Piper MethysticumPart Used RootAnalyzed CharacteristicsSpecificationResultTest MethodStandardization

20-90% Kavalactones

71.10%

HPLC

Identification

Complies by HPLC

Conform

HPLC

Kavalactone Profile

Noble

PASS

HPLC

Mesh Size

60-30

30

Sieve

Color

Beige to Yellow

Pass

Visual

Odor

Pass

Organoleptic

Taste

Pass

Organoleptic

Chemotype

TUDEI &lt; 1.2 &lt; NOBLE

423516

HPLC

K/DHM

3.7

Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			12837.328			
Methysticin	M	1	2.21	3792.505	6.79%	5.96%	6
Dihydromethysticin	DHM	2	3.38	2718.661	4.87%	6.54%	5
Kavain	K	3	1	34183.184	61.21%	24.32%	4
Dihydrokavain	DHK	4	3.48	8361.547	14.97%	20.70%	2
Desmethoxyyangonin	DMY	5	2.52	3457.01	6.19%	6.20%	1
Yangonin	Y	6	3.12	3331.596	5.97%	7.39%	3
<b>Kavalactones</b>				<b>Total: 55844.503</b>	<b>100.00%</b>	<b>71.10%</b>	<b>423516</b>

\*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

Kava Republic Inc., 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.

Chemist *Maria Benovi*Date *1/23/26*

Kava Republic Inc.  
2510 Kirby Circle NE  
Palm Bay, FL 32905  
321-802-4583  
0.55083g/50mL

Kavalactone Analysis

SAMPLE S2338 RR  
Vial 12

wavelength 246 nm

C:\CHEM32\1\DATA\KAVA\_01\_22\_2026\_15MINSTDTESTMETHOD 2026-01-22 13-21-34\01->

SEQUENCE C:\CHEM32\1\DATA\KAVA\_01\_22\_2026\_- ->

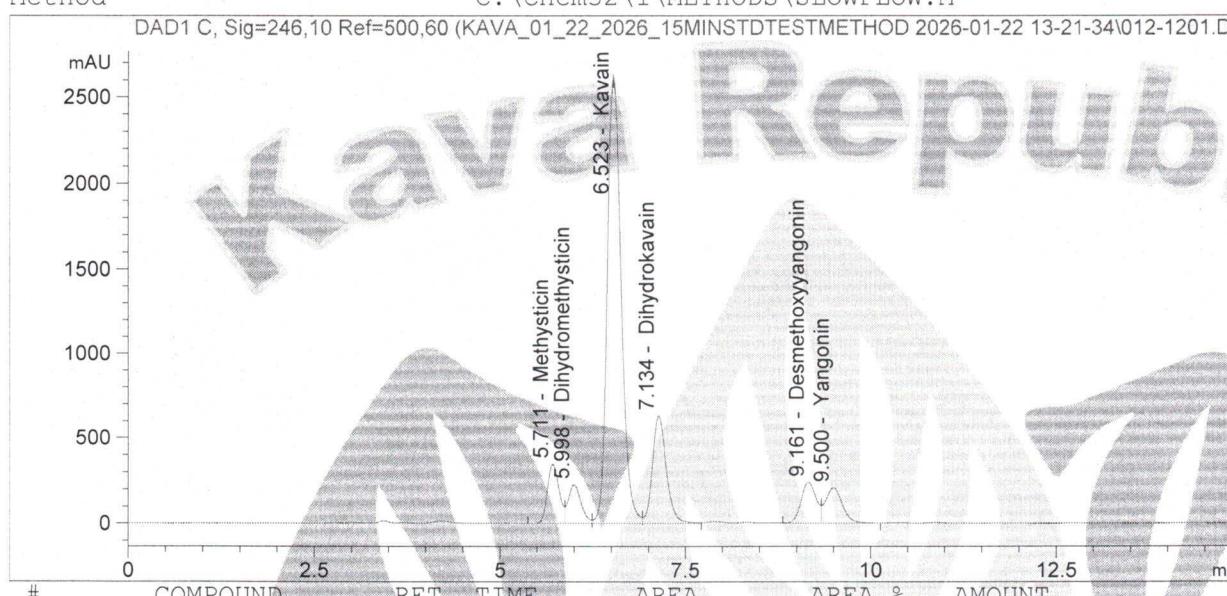
Injection date 1/23/2026

Injection time 12:57:26 AM

Acq. operator Marjan

Method

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



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	Methysticin	5.711	3792.505	6.79	0.004
2	Dihydromethysticin	5.998	2718.661	4.87	0.004
3	Kavain	6.523	34183.184	61.21	0.003
4	Dihydrokavain	7.134	8361.547	14.97	0.011
5	Desmethoxyyangonin	9.161	3457.010	6.19	0.003
6	Yangonin	9.500	3331.596	5.97	0.004