

CERTIFICATE OF ANALYSIS

GENERAL INFORMATION

Report Date	1/7/2026	Country of Origin	China
Sample Number	S2333	Country of Processing	USA
Product Name	70% Kavalactone Extract	Manufacture Date	Dec-25
Lot Number	CJ2512KE70	Best By Date	Dec-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	67.16%	HPLC
Kavalactone Profile	Noble	Pass	HPLC
Chemotype	If # 5 is in 1st or 2nd in Abundance	241356	HPLC
K/DHM	> 1.2 for Noble	3.3	Calculation

HEAVY METALS

		Results		
Arsenic (As)	NMT 1,000 (ppb)*	48.4	ppb	FDA EAM 4.7
Cadmium (Cd)	NMT 1,000 (ppb)*	0.7	ppb	FDA EAM 4.7
Lead (Pb)	NMT 1,000 (ppb)*	4.1	ppb	FDA EAM 4.7
Mercury (Hg)	NMT 1,000 (ppb)*	14.5	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

AEROBIC PLATE COUNT	NMT 10,000,000 cfu	Results	
E. COLI	ABSENT (cfu/10g)	150	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	NMT 100,000 cfu (Combined)	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: 1/7/2026

Kava Republic Inc.

2510 Kirby Circle NE

Palm Bay, FL 32905

321-802-4583

Certificate Of Analysis**Sample Identification Information**Date of Analysis 1/7/2026Sample: S2333Product Name 70% KavalactonesLot# CJ2512KE70Country of Origin ChinaCountry of Processing USAManufacture Date Dec-25Best By Date Dec-28**General Product Specifications**Product Species Piper MethysticumPart Used RootCommon Names Kava kava, Awa, YagonaAppearance Yellow, Brown, beige powder**Analyzed Characteristics****Specification****Result****Test Method**Standardization

2-17% Kavalactones

67.16%

HPLC

Identification

Complies by HPLC

Conform

HPLC

Kavalactone Profile

Noble

PASS

HPLC

Mesh Size

60-30

60

Sieve

Color

Beige to Yellow

Pass

Visual

Odor

Pass

Organoleptic

Taste

Pass

Organoleptic

Chemotype

TUDEI < 1.2 < NOBLE

241356

HPLC

K/DHM

3.3

Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			3589.705			
Methysticin	M	1	2.21	4028.175	5.98%	4.72%	6
Dihydromethysticin	DHM	2	3.38	3505.732	5.20%	6.28%	5
Kavain	K	3	1	38644.621	57.35%	20.48%	4
Dihydrokavain	DHK	4	3.48	12023.72	17.85%	22.18%	2
Desmethoxyyangonin	DMY	5	2.52	5271.801	7.82%	7.04%	1
Yangonin	Y	6	3.12	3903.921	5.79%	6.46%	3
Kavalactones				Total: 67377.970	100.00%	67.16%	241356

*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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Chemist *Mojin Samani*Date *1/7/26*

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

0.55081g/50ml

Kavalactone Analysis

SAMPLE S2333
Vial 15

wavelength 246 nm

C:\CHEM32\1\DATA\KAVA_12_30_2025_15MINSTDTESTMETHOD 2025-12-30 16-55-15\01->
SEQUENCE C:\CHEM32\1\DATA\KAVA_12_30_2025_->

Injection date 12/30/2025

Injection time 10:03:31 PM

Acq. operator Marjan

Method

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

DAD1 C, Sig=246,10 Ref=500,60 (KAVA_12_30_2025_15MINSTDTESTMETHOD 2025-12-30 16-55-15\015-1601.D)

