

CERTIFICATE OF ANALYSIS

GENERAL INFORMATION

Report Date	11/20/2025	Country of Origin	Vanuatu
Sample Number	S2325	Country of Processing	USA
Product Name	Premium Roots	Manufacture Date	Oct-25
Lot Number	VPS2510PR1	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	12.80%	HPLC
Kavalactone Profile	Noble	Pass	HPLC
Chemotype	If # 5 is in 1st or 2nd in Abundance	423561	HPLC
K/DHM	> 1.2 for Noble	2.9	Calculation

HEAVY METALS

	Results		
Arsenic (As)	NMT 1,000 (ppb)*	34	ppb
Cadmium (Cd)	NMT 1,000 (ppb)*	162	ppb
Lead (Pb)	NMT 1,000 (ppb)*	38.3	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	350,000	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)	35,000	cfu / 10 g
MOLD		100	cfu / 10 g
TOTAL YEAST & MOLD	NMT 100,000 cfu (Combined)	35,100	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: Tony Guly 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**Date of Analysis 1/20/2026Country of Origin VaunatuSample: S2335Country of Processing USAProduct Name Premium RootsManufacture Date Oct-25Lot# VPS2510PR1Best By Date Oct-28**General Product Specifications**Product Species Piper MethysticumCommon Names Kava kava, Awa, YagonaPart Used RootAppearance Yellow, Brown, beige powder**Analyzed Characteristics****Specification****Result****Test Method**Standardization

2-17% Kavalactones

12.80%

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

423561

HPLC

K/DHM

TUDEI < 1.2 < NOBLE

2.9

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	1060.007	8.20%	1.25%	6
Dihydromethysticin	DHM	2	3.38	745.873	5.77%	1.35%	5
Kavain	K	3	1	7433.425	57.53%	3.97%	4
Dihydrokavain	DHK	4	3.48	1842.374	14.26%	3.43%	2
Desmethoxyyangonin	DMY	5	2.52	829.555	6.42%	1.12%	1
Yangonin	Y	6	3.12	1008.83	7.81%	1.68%	3
Kavalactones				Total: 12920.064	100.00%	12.80%	423561

*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 Bevari*Date *1/21/26*

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

0.75040g/50mL

Kavalactone Analysis

SAMPLE S2335 RR
Vial 12

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_- ->

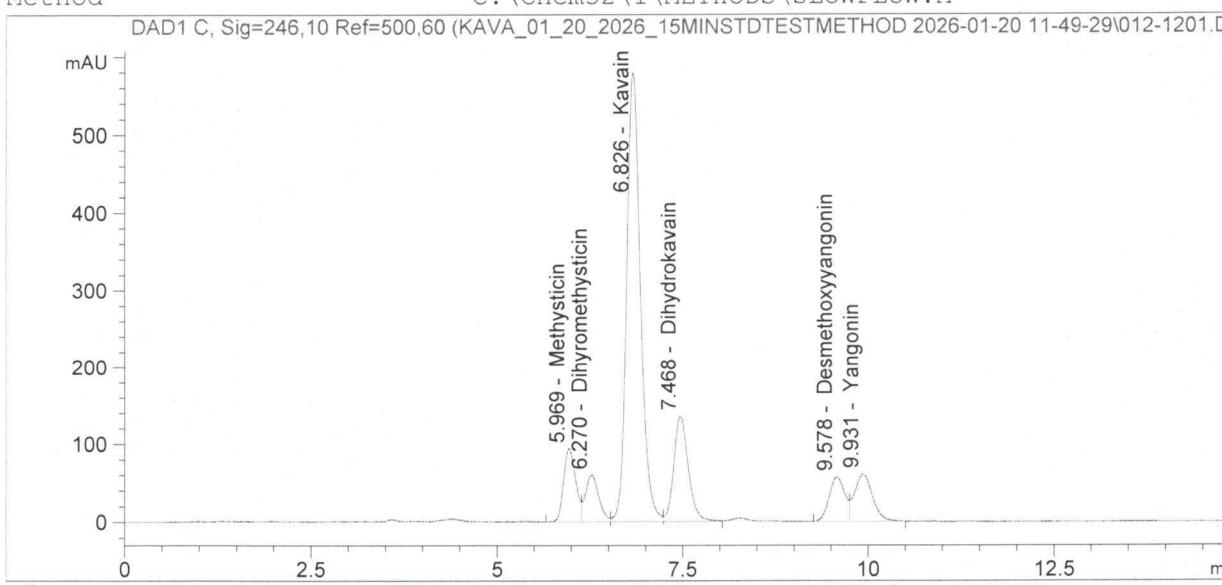
Injection date 1/20/2026

Injection time 11:25:12 PM

Acq. operator Marjan

Method

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



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	Methysticin	5.969	1060.007	8.20	0.001
2	Dihyromethysticin	6.270	745.873	5.77	0.001
3	Kavain	6.826	7433.425	57.53	0.001
4	Dihydrokavain	7.468	1842.374	14.26	0.002
5	Desmethoxyyangonin	9.578	829.555	6.42	0.001
6	Yangonin	9.931	1008.830	7.81	0.001