

📍 2510 Kirby Circle NE Suite 110, Palm Bay, FL 32905

Certificate Of Analysis

Sample Identification Information

Date of Analysis 4/14/2026

Sample S2384

Product Name Traditional

Lot# VSC2603TR4

Country of Origin Vanuatu

Country of Processing USA

Manufacture Date Apr-26

Best By Date Apr-29

General Product Specifications

Product Species Piper Methysticum

Part Used Root

Common Names Kava kava, Awa, Yagona

Appearance Yellow, Brown, beige powder

Analyzed Characteristics	Specification	Result	Test Method
Standardization	2-17% Kavalactones	6.96%	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		245361	HPLC
K/DHM	TUDEI < 1.2 < NOBLE	1.5	Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correctio n Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2584.081			
Methysticin	M	1	2.21	583.958	9.43%	0.70%	6
Dihydromethysticin	DHM	2	3.38	596.471	9.63%	1.09%	5
Kavain	K	3	1	2960.483	47.79%	1.60%	4
Dihydrokavain	DHK	4	3.48	1183.611	19.11%	2.22%	2
Desmethoxyyangonin	DMY	5	2.52	359.633	5.81%	0.49%	1
Yangonin	Y	6	3.12	510.567	8.24%	0.86%	3
Kavalactones			Total:	6194.723	100.00%	6.96%	245361

This report reflects Laboratory results obtained at the time of analysis using standard testing methods and calibrated equipment. While care has been taken to ensure accuracy, these results are provided for informational purposes only. The purchaser and end user are solely responsible for proper use, dosage, and handling of this. Kava Republic Inc. shall not be held liable for any adverse effects, misuse, or overconsumption resulting from its use. Independent third-party verification is recommended where necessary.

Chemist Mazin Amani

Date 4/15/26

SAMPLE S2384
Vial 13

0.75130g/50mL

wavelength 246 nm

C:\CHEM32\1\DATA\KAVA_04_14_2026_15MINSTDTESTMETHOD 2026-04-14 16-43-53\01->
SEQUENCE C:\CHEM32\1\DATA\KAVA_04_14_2026_ ->

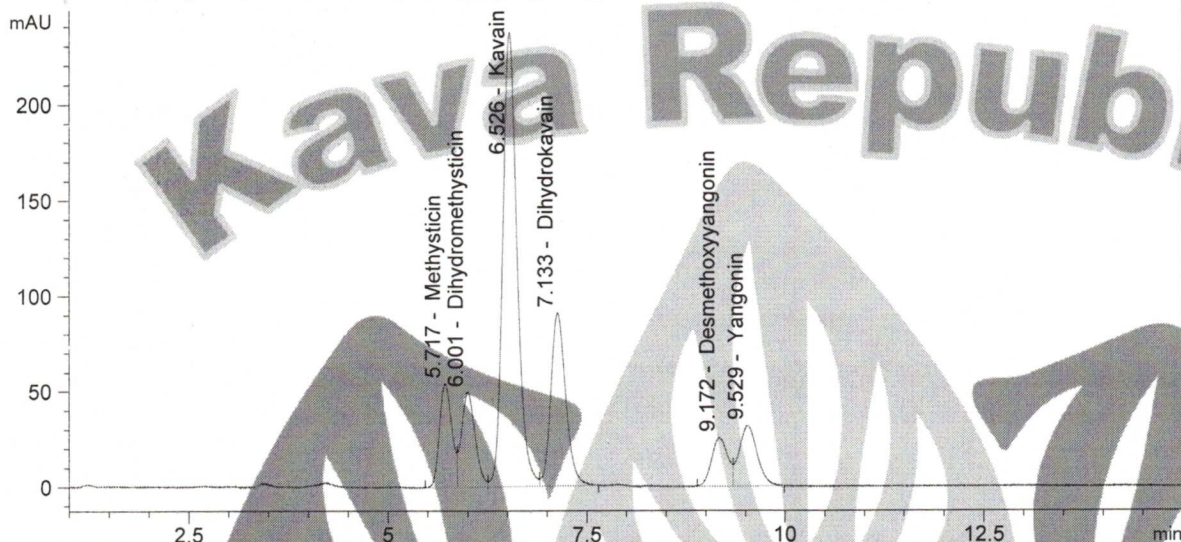
Injection date 4/15/2026

Injection time 1:38:26 AM

Acq. operator Marjan

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

DAD1 C, Sig=246,10 Ref=500,60 (KAVA_04_14_2026_15MINSTDTESTMETHOD 2026-04-14 16-43-53\013-1301.D)



Kava Republic

#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
	Methysticin	5.717	583.958	9.43	0.001
	Dihydromethysticin	6.001	596.471	9.63	0.001
	Kavain	6.526	2960.483	47.79	0.000
	Dihydrokavain	7.133	1183.611	19.11	0.002
	Desmethoxyyangonin	9.172	359.633	5.81	0.000
	Yangonin	9.529	510.567	8.24	0.001

Laboratory

CERTIFICATE OF ANALYSIS

GENERAL INFORMATION

Report Date	4/14/2026	Country of Origin	Vanuatu
Sample Number	S2384	Country of Processing	USA
Product Name	Traditional	Manufacture Date	Apr-26
Lot Number	VSC2603TR04	Best By Date	Apr-29

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		HPLC
Kavalactone Profile	Noble		HPLC
Chemotype	If # 5 is in 1st or 2nd in Abundance		HPLC
K/DHM	> 1.2 for Noble		Calculation

HEAVY METALS

		Results	
Arsenic (As)	NMT 1,000 (ppb)*	17.56 ppb	FDA EAM 4.7
Cadmium (Cd)	NMT 1,000 (ppb)*	453.6 ppb	FDA EAM 4.7
Lead (Pb)	NMT 1,000 (ppb)*	43.3 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	6,000 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)	1,130 cfu / 10 g	
MOLD	NMT 100,000 cfu (Combined)	6,000 cfu / 10 g	USP 2021
TOTAL YEAST & MOLD	NMT 100,000 cfu (Combined)	4,675 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: *Amy Salch* Title: *Manager* Date: *04/15/2026*