

# CERTIFICATE OF ANALYSIS

**GENERAL INFORMATION**

Report Date	10/31/2025	Country of Origin	Fiji
Sample Number	S2312	Country of Processing	USA
Product Name	Savusavu Waka	Manufacture Date	Oct-25
Lot Number	FLK2510SW10	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	6.04%	HPLC
Kavalactone Profile	Noble	Pass	HPLC
Chemotype	If # 5 is in 1st or 2nd in Abundance	462531	HPLC
K/DHM	> 1.2 for Noble	1.3	Calculation

**HEAVY METALS**

		Results	
Arsenic (As)	NMT 1,000 (ppb)*	10.15 ppb	FDA EAM 4.7
Cadmium (Cd)	NMT 1,000 (ppb)*	705 ppb	FDA EAM 4.7
Lead (Pb)	NMT 1,000 (ppb)*	75.55 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	445,000 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 2023
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)	260000 cfu / 10 g	
MOLD		5050 cfu / 10 g	USP 2021
TOTAL YEAST & MOLD	NMT 100,000 cfu (Combined)	265050 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 Salda*      Title: *Manager*      Date: *11/3/2025*

Kava Republic Inc.

2510 Kirby Circle NE

Palm Bay, FL 32905

321-802-4583

# Certificate Of Analysis

## Sample Identification Information

Date of Analysis 10/31/2025  
Sample: S2312  
Product Name SAVUSAVU WAKA  
Lot# FLK2510SW10

Country of Origin FIJI  
Country of Processing USA  
Manufacture Date Oct-25  
Best By Date Oct-28

## 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

<u>Standardization</u>	2-17% Kavalactones	6.04%	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>		462531	HPLC
<u>K/DHM</u>	TUDEI < 1.2 < NOBLE	1.3	Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2623.208			
Methysticin	M	1	2.21	1041.853	18.51%	1.22%	6
Dihydromethysticin	DHM	2	3.38	584.446	10.38%	1.05%	5
Kavain	K	3	1	2571.69	45.69%	1.36%	4
Dihydrokavain	DHK	4	3.48	644.126	11.44%	1.19%	2
Desmethoxyyangonin	DMY	5	2.52	227.621	4.04%	0.30%	1
Yangonin	Y	6	3.12	558.368	9.92%	0.92%	3
Kavalactones			<b>Total:</b>	<b>5628.104</b>	<b>100.00%</b>	<b>6.04%</b>	<b>462531</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.

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Chemist Morgan Asmeri

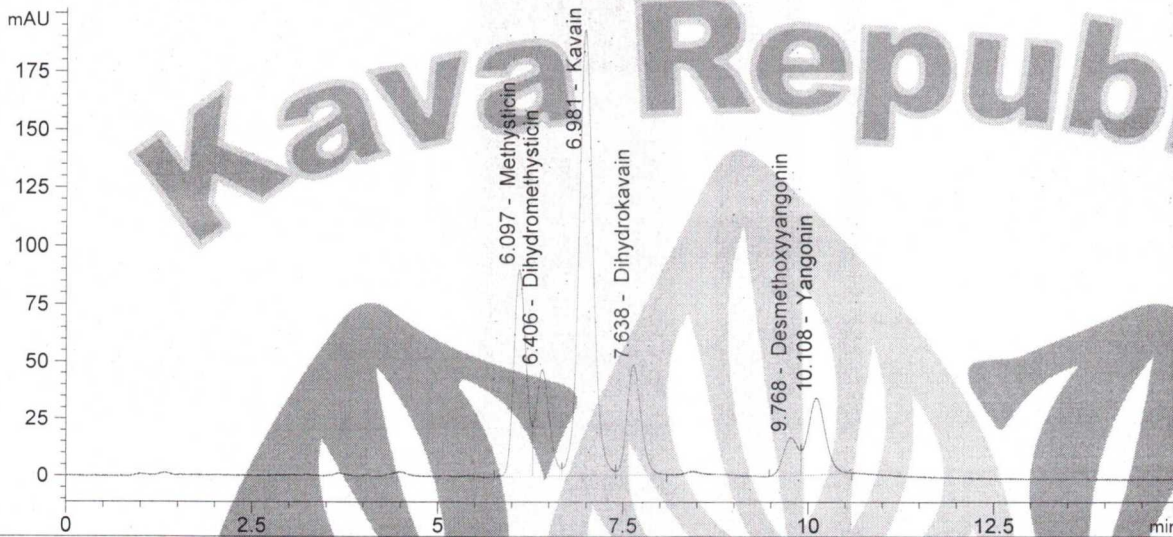
Date 11/31/25

SAMPLE S2312  
Vial 14

.7543g/50mL

wavelength 246 nm  
:\CHEM32\1\DATA\KAVA\_10\_31\_2025\_15MINSTDTESTMETHOD 2025-10-31 13-21-45\01->  
SEQUENCE C:\CHEM32\1\DATA\KAVA\_10\_31\_2025\_ ->  
Injection date 10/31/2025  
Injection time 7:34:56 PM  
Acq. operator KRISTL  
Method C:\CHEM32\1\DATA\KAVA\_10\_31\_202->

DAD1 C, Sig=246,10 Ref=500,60 (KAVA\_10\_31\_2025\_15MINSTDTESTMETHOD 2025-10-31 13-21-45\014-1401.D)



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	Methysticin	6.097	1041.853	18.51	0.001
2	Dihydromethysticin	6.406	584.446	10.38	0.001
3	Kavain	6.981	2571.690	45.69	0.000
4	Dihydrokavain	7.638	644.126	11.44	0.001
5	Desmethoxyyangonin	9.768	227.621	4.04	0.000
6	Yangonin	10.108	558.368	9.92	0.001

