

CERTIFICATE OF ANALYSIS

GENERAL INFORMATION

Report Date	3/12/2026	Country of Origin	Solomon Islands
Sample Number	S2359	Country of Processing	USA
Product Name	Kastom	Manufacture Date	Aug-25
Lot Number	SKH2602KE3	Best By Date	Aug-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	11.21%	HPLC
Kavalactone Profile	Noble	Pass	HPLC
Chemotype	If # 5 is in 1st or 2nd in Abundance	423516	HPLC
K/DHM	> 1.2 for Noble	2.8	Calculation

HEAVY METALS

		Results	
Arsenic (As)	NMT 1,000 (ppb)*	16.10	ppb FDA EAM 4.7
Cadmium (Cd)	NMT 1,000 (ppb)*	269.3	ppb FDA EAM 4.7
Lead (Pb)	NMT 1,000 (ppb)*	78.5	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	13,000	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)	7,000	cfu / 10 g
MOLD		7,000	cfu / 10 g USP 2021
TOTAL YEAST & MOLD	NMT 100,000 cfu (Combined)	14,000	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: Samy Salah Title: Manager Date: 3/13/2026

Kava Republic Inc.

2510 Kirby Circle NE

Palm Bay, FL 32905

321-802-4583

Certificate Of Analysis

Sample Identification Information

Date of Analysis 3/12/2026

Sample: S2359

Product Name Kastom

Lot# SKH2602KE3

Country of Origin

Solomon Islands

Country of Processing

USA

Manufacture Date

Mar-26

Best By Date

Mar-29

General Product Specifications

Product Species Piper Methysticum

Common Names

Kava kava, Awa, Yagona

Part Used Root

Appearance

Yellow, Brown, beige powder

Analyzed Characteristics

Specification

Result

Test Method

Standardization

2-17% Kavalactones

11.21%

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

423516

HPLC

K/DHM

TUDEI < 1.2 < NOBLE

2.8

Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2600.441			
Methysticin	M	1	2.21	597.797	5.45%	0.70%	6
Dihydromethysticin	DHM	2	3.38	639.129	5.83%	1.15%	5
Kavain	K	3	1	6119.219	55.80%	3.26%	4
Dihydrokavain	DHK	4	3.48	1780.876	16.24%	3.31%	2
Desmethoxyyangonin	DMY	5	2.52	809.549	7.38%	1.09%	1
Yangonin	Y	6	3.12	1020.272	9.30%	1.70%	3
Kavalactones			Total:	10966.842	100.00%	11.21%	423516

*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 *Nancy Bernardi*

Date *3/13/26*

SAMPLE S2359
Vial 15

0.75549g/50mL

wavelength 246 nm

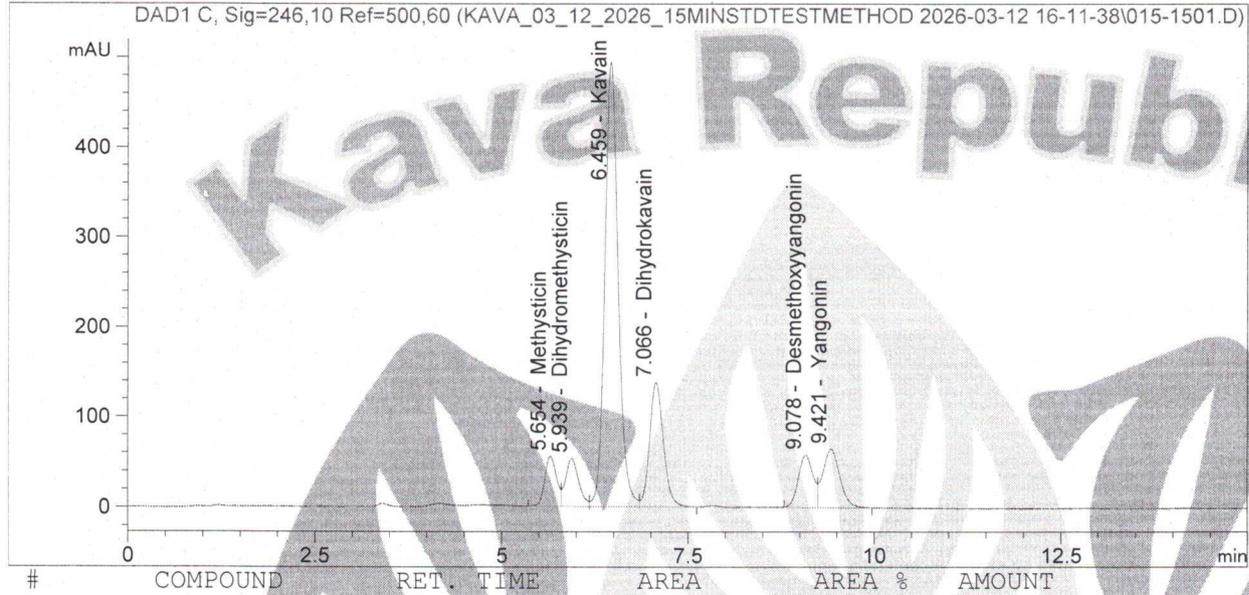
C:\CHEM32\1\DATA\KAVA_03_12_2026_15MINSTDTESTMETHOD 2026-03-12 16-11-38\01->
SEQUENCE C:\CHEM32\1\DATA\KAVA_03_12_2026_ ->

Injection date 3/13/2026

Injection time 4:20:17 AM

Acq. operator Marjan

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



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	Methysticin	5.654	597.797	5.45	0.001
2	Dihydromethysticin	5.939	639.129	5.83	0.001
3	Kavain	6.459	6119.219	55.80	0.000
4	Dihydrokavain	7.066	1780.876	16.24	0.002
5	Desmethoxyyangonin	9.078	809.549	7.38	0.001
6	Yangonin	9.421	1020.272	9.30	0.001