

CERTIFICATE OF ANALYSIS

GENERAL INFORMATION

Report Date	12/16/2025	Country of Origin	Vanuatu
Sample Number	S2327	Country of Processing	USA
Product Name	Traditional	Manufacture Date	Nov-25
Lot Number	VSSC2511TR11	Best By Date	Nov-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	7.64%	HPLC
Kavalactone Profile	Noble	Pass	HPLC
Chemotype	If # 5 is in 1st or 2nd in Abundance	245361	HPLC
K/DHM	> 1.2 for Noble	1.9	Calculation

HEAVY METALS

		Results	
Arsenic (As)	NMT 1,000 (ppb)*	36 ppb	FDA EAM 4.7
Cadmium (Cd)	NMT 1,000 (ppb)*	300 ppb	FDA EAM 4.7
Lead (Pb)	NMT 1,000 (ppb)*	52 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	5,267 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)	2,933 cfu / 10 g	
MOLD		300 cfu / 10 g	USP 2021
TOTAL YEAST & MOLD	NMT 100,000 cfu (Combined)	3,233 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: 12/17/2025

Kava Republic Inc.

2510 Kirby Circle NE

Palm Bay, FL 32905

321-802-4583

Certificate Of Analysis**Sample Identification Information****Date of Analysis** 12/16/2025**Sample:** S2327**Product Name** Traditional**Lot#** VSSC2511TR11**Country of Origin** Vanuatu**Country of Processing** USA**Manufacture Date** ~~Nov~~ 25**Best By Date** Nov-25**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

7.64%

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

1.9

Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			2543.81			
Methysticin	M	1	2.21	584.1	8.42%	0.71%	6
Dihydromethysticin	DHM	2	3.38	549.847	7.93%	1.02%	5
Kavain	K	3	1	3549.679	51.17%	1.95%	4
Dihydrokavain	DHK	4	3.48	1279.892	18.45%	2.44%	2
Desmethoxyyangonin	DMY	5	2.52	432.133	6.23%	0.60%	1
Yangonin	Y	6	3.12	541.813	7.81%	0.93%	3
Kavalactones			Total:	6937.464	100.00%	7.64%	245361

*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 *Kayla Berman*Date *12,17,2025*

SAMPLE S2327
Vial 14

0.75100g/50 mL

wavelength 246 nm

C:\CHEM32\1\DATA\KAVA_12_16_2025_15MINSTDTESTMETHOD 2025-12-16 10-33-24\01->

SEQUENCE C:\CHEM32\1\DATA\KAVA_12_16_2025_ ->

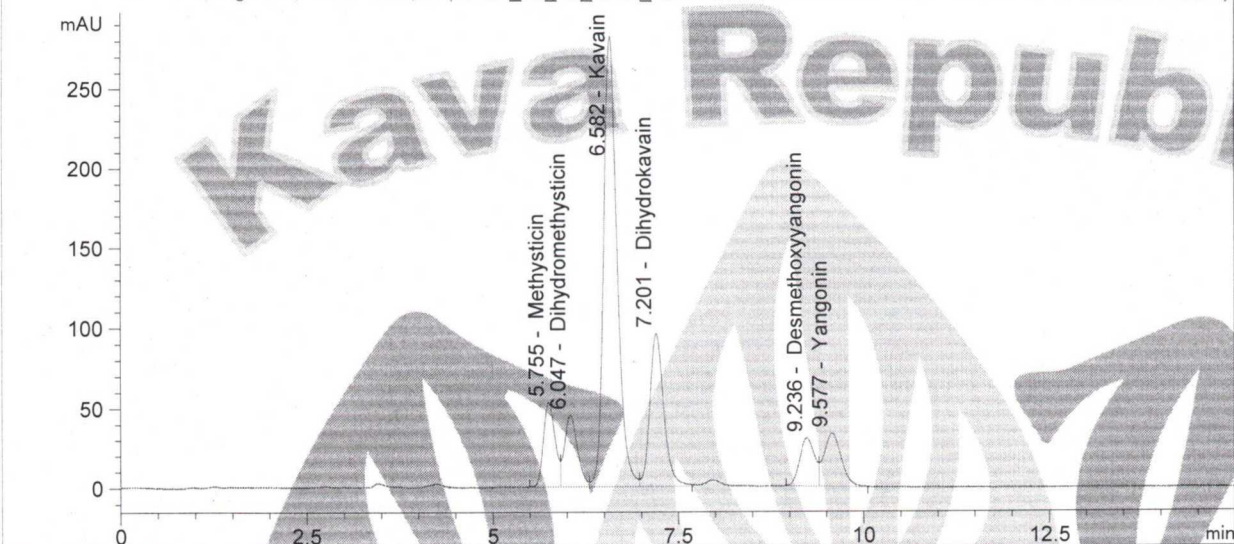
Injection date 12/16/2025

Injection time 8:18:12 PM

Acq. operator KRISTL

Method C:\CHEM32\1\DATA\KAVA_12_16_202->

DAD1 C, Sig=246,10 Ref=500,60 (KAVA_12_16_2025_15MINSTDTESTMETHOD 2025-12-16 10-33-24\014-1401.D)



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	Methysticin	5.755	584.100	8.42	0.001
2	Dihydromethysticin	6.047	549.847	7.93	0.001
3	Kavain	6.582	3549.679	51.17	0.000
4	Dihydrokavain	7.201	1279.892	18.45	0.002
5	Desmethoxyyangonin	9.236	432.133	6.23	0.001
6	Yangonin	9.577	541.813	7.81	0.001