

CERTIFICATE OF ANALYSIS

GENERAL INFORMATION

Report Date	1/5/2026	Country of Origin	Vanuatu
Sample Number	S2332	Country of Processing	USA
Product Name	Premium Chips	Manufacture Date	Oct-25
Lot Number	VPS2510PC12	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	8.28%	HPLC
Kavalactone Profile	Noble	Pass	HPLC
Chemotype	If # 5 is in 1st or 2nd in Abundance	243516	HPLC
K/DHM	> 1.2 for Noble	3.4	Calculation

HEAVY METALS

	Results		
Arsenic (As)	10	ppb	FDA EAM 4.7
Cadmium (Cd)	272	ppb	FDA EAM 4.7
Lead (Pb)	32.7	ppb	FDA EAM 4.7
Mercury (Hg)	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	cfu / 10 g	USP 2021
E. COLI	ABSENT (cfu/10g)	cfu / 10 g	USP 2022
LISTERIA MONOCYTOGENES	ABSENT (cfu/10g)	cfu / 10 g	USP 2022
PSEUDOMONAS AERUGINOSA	ABSENT (cfu/10g)	cfu / 10 g	USP 2022
SALMONELLA	ABSENT (cfu/10g)	cfu / 10 g	USP 2022
STAPHYLOCOCCUS AUREUS	ABSENT (cfu/10g)	cfu / 10 g	USP 2022
YEAST	NMT 100,000 cfu (Combined)	cfu / 10 g	USP 2021
MOLD	100	cfu / 10 g	
TOTAL YEAST & MOLD	NMT 100,000 cfu (Combined)	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 Saluk Title: Manager Date: 01/08/2026

Certificate Of Analysis

Sample Identification InformationDate of Analysis 1/5/2026Sample: S2332Product Name Premium ChipsLot# VPS2510PC12Country of Origin VanuatuCountry of Processing USAManufacture Date Oct-25Best By Date Oct-28General Product SpecificationsProduct Species Piper MethysticumPart Used RootCommon Names Kava kava, Awa, YagonaAppearance Yellow, Brown, beige powderAnalyzed CharacteristicsSpecificationResultTest MethodStandardization

2-17% Kavalactones

8.28%

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

TUDEI < 1.2 < NOBLE

243516

HPLC

K/DHM

3.4

Calculation

Kavalactones	Code	Peaks Ref. (elution order)	Correction Factor	Area *	Area %	Corrected Kavalactones	Chemotype Identifier
Standard Kavain	K			3749.048			
Methysticin	M	1	2.21	607.868	5.21%	0.50%	6
Dihydromethysticin	DHM	2	3.38	584.02	5.01%	0.74%	5
Kavain	K	3	1	6689.863	57.37%	2.49%	4
Dihydrokavain	DHK	4	3.48	2264.264	19.42%	2.93%	2
Desmethoxyyangonin	DMY	5	2.52	651.14	5.58%	0.61%	1
Yangonin	Y	6	3.12	864.338	7.41%	1.00%	3
Kavalactones				Total: 11661.493	100.00%	8.28%	243516

*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 BemarDate 1/6, 26

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

Kavalactone Analysis

SAMPLE S2332 RR
Vial 14

0.75057g/50 mL

wavelength 246 nm

C:\CHEM32\1\DATA\KAVA_1_5_2026_15MINSTDTESTMETHOD 2026-01-05 12-29-54\014-->
SEQUENCE C:\CHEM32\1\DATA\KAVA_1_5_2026_ ->

Injection date 1/5/2026

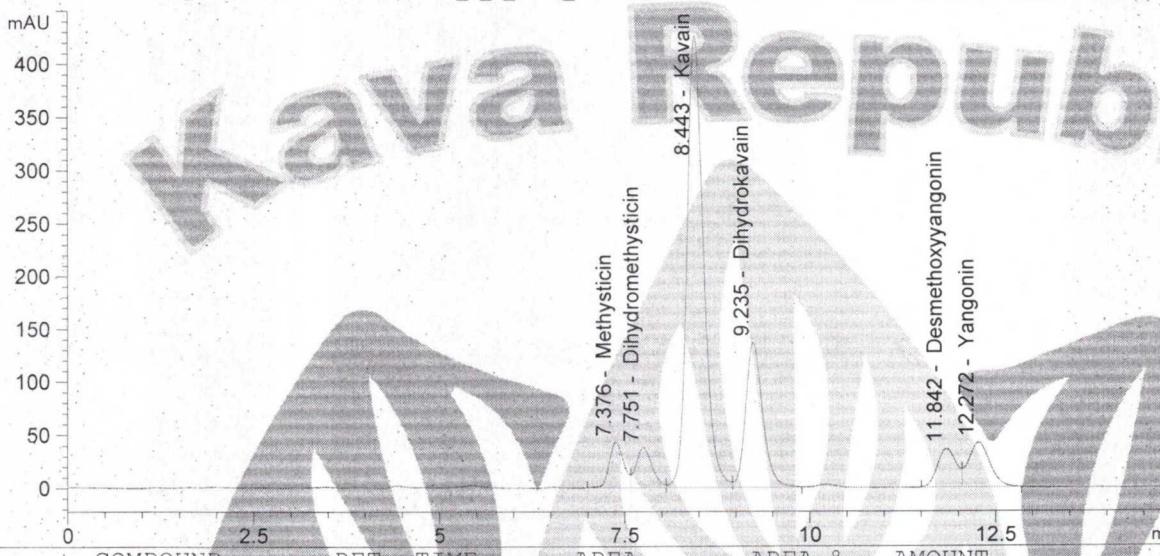
Injection time 10:13:31 PM

Acq. operator Marjan

Method

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

DAD1 C, Sig=246,10 Ref=500,60 (KAVA_1_5_2026_15MINSTDTESTMETHOD 2026-01-05 12-29-54\014-1401.D)



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	Methysticin	7.376	607.868	5.21	0.000
2	Dihydromethysticin	7.751	584.020	5.01	0.001
3	Kavain	8.443	6689.863	57.37	0.000
4	Dihydrokavain	9.235	2264.264	19.42	0.002
5	Desmethoxyyangonin	11.842	651.140	5.58	0.001
6	Yangonin	12.272	864.338	7.41	0.001