

# CERTIFICATE OF ANALYSIS

## GENERAL INFORMATION

|               |             |                       |         |
|---------------|-------------|-----------------------|---------|
| Report Date   | 10/31/2025  | Country of Origin     | Vanuatu |
| Sample Number | S2309       | Country of Processing | USA     |
| Product Name  | Taboo       | Manufacture Date      | Oct-25  |
| Lot Number    | VSSC2510T10 | Best By Date          | Oct-28  |

| ITEM | SPECIFICATION | TEST RESULTS | METHOD |
|------|---------------|--------------|--------|
|------|---------------|--------------|--------|

## PHYSICAL & CHEMICAL

|                      |                                      |          |              |
|----------------------|--------------------------------------|----------|--------------|
| Identification       | Piper methysticum                    | Complies | HPLC         |
| Appearance           | Beige to Yellow Powder               | Complies | Organoleptic |
| Kavalactone Standard | 2-17 % Kavalactones                  | 8.59%    | HPLC         |
| Kavalactone Profile  | Noble                                | Pass     | HPLC         |
| Chemotype            | If # 5 is in 1st or 2nd in Abundance | 245361   | HPLC         |
| K/DHM                | > 1.2 for Noble                      | 1.3      | Calculation  |

## HEAVY METALS

|              |                  | Results |     |
|--------------|------------------|---------|-----|
| Arsenic (As) | NMT 1,000 (ppb)* | 36.6    | ppb |
| Cadmium (Cd) | NMT 1,000 (ppb)* | 334.5   | ppb |
| Lead (Pb)    | NMT 1,000 (ppb)* | 104.9   | ppb |
| Mercury (Hg) | NMT 1,000 (ppb)* | 10.0    | ppb |

\*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 |
| E. COLI                | ABSENT (cfu/10g)           | Negative | cfu / 10 g |
| LISTERIA MONOCYTOGENES | ABSENT (cfu/10g)           | Negative | cfu / 10 g |
| PSEUDOMONAS AERUGINOSA | ABSENT (cfu/10g)           | Negative | cfu / 10 g |
| SALMONELLA             | ABSENT (cfu/10g)           | Negative | cfu / 10 g |
| STAPHYLOCOCCUS AUREUS  | ABSENT (cfu/10g)           | Negative | cfu / 10 g |
| YEAST                  | NMT 100,000 cfu (Combined) | 7,500    | cfu / 10 g |
| MOLD                   |                            | 8,150    | cfu / 10 g |
| TOTAL YEAST & MOLD     | NMT 100,000 cfu (Combined) | 15,650   | 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: Ang Sukh

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: S2309

Product Name TABOO

Lot# VSSC2510T10

Country of Origin

VANUATU

Country of Processing

USA

Manufacture Date

Oct-25

Best By Date

Oct-28

### 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

8.59%

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

1.3

Calculation

| Kavalactones       | Code | Peaks Ref.<br>(elution order) | Correction<br>Factor | Area *          | Area %         | Corrected<br>Kavalactones | Chemotype Identifier |
|--------------------|------|-------------------------------|----------------------|-----------------|----------------|---------------------------|----------------------|
| Standard Kavain    | K    |                               |                      | 2623.208        |                |                           |                      |
| Methysticin        | M    | 1                             | 2.21                 | 773.104         | 10.09%         | 0.91%                     | 6                    |
| Dihydromethysticin | DHM  | 2                             | 3.38                 | 788.465         | 10.29%         | 1.42%                     | 5                    |
| Kavain             | K    | 3                             | 1                    | 3536.637        | 46.15%         | 1.88%                     | 4                    |
| Dihydrokavain      | DHK  | 4                             | 3.48                 | 1514.902        | 19.77%         | 2.80%                     | 2                    |
| Desmethoxyyangonin | DMY  | 5                             | 2.52                 | 460.576         | 6.01%          | 0.62%                     | 1                    |
| Yangonin           | Y    | 6                             | 3.12                 | 588.938         | 7.69%          | 0.98%                     | 3                    |
| Kavalactones       |      |                               | <b>Total:</b>        | <b>7662.622</b> | <b>100.00%</b> | <b>8.59%</b>              | <b>245361</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 Margen Asomari

Date 11/3/25

SAMPLE S2309  
Vial 11

0.75g/50mL

wavelength 246 nm

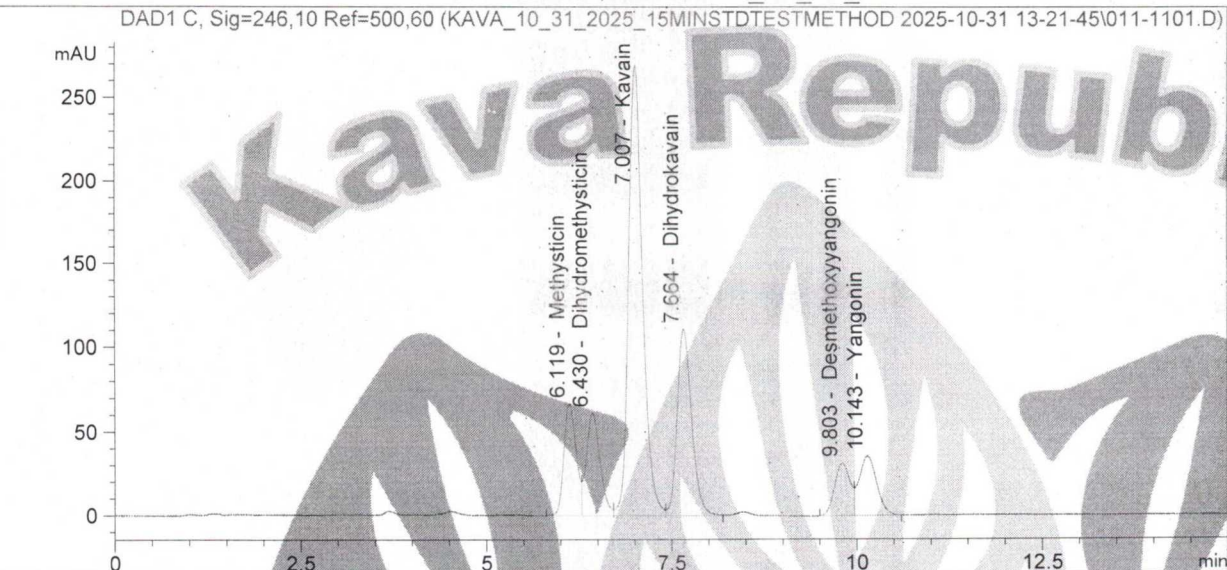
C:\CHEM32\1\DATA\KAVA\_10\_31\_2025\_15MINSTDTESTMETHOD 2025-10-31 13-21-45\01->  
SEQUENCE C:\CHEM32\1\DATA\KAVA\_10\_31\_2025\_ ->

Injection date 10/31/2025

Injection time 6:46:21 PM

Acq. operator KRISTL

Method C:\CHEM32\1\DATA\KAVA\_10\_31\_202->



| # | COMPOUND           | RET. TIME | AREA     | AREA % | AMOUNT |
|---|--------------------|-----------|----------|--------|--------|
| 1 | Methysticin        | 6.119     | 773.104  | 10.09  | 0.001  |
| 2 | Dihydromethysticin | 6.430     | 788.465  | 10.29  | 0.001  |
| 3 | Kavain             | 7.007     | 3536.637 | 46.15  | 0.000  |
| 4 | Dihydrokavain      | 7.664     | 1514.902 | 19.77  | 0.002  |
| 5 | Desmethoxyyangonin | 9.803     | 460.576  | 6.01   | 0.001  |
| 6 | Yangonin           | 10.143    | 588.938  | 7.69   | 0.001  |