

UGANDA STANDARD

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Country wine— Specification



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Foreword

Uganda National Bureau of Standards (UNBS) is a parastatal under the Ministry of Trade, Industry and Cooperatives established under Cap 327, of the Laws of Uganda, as amended. UNBS is mandated to coordinate the elaboration of standards and is

- (a) a member of International Organisation for Standardisation (ISO) and
- (b) a contact point for the WHO/FAO Codex Alimentarius Commission on Food Standards, and
- (c) the National Enquiry Point on TBT Agreement of the World Trade Organisation (WTO).

The work of preparing Uganda Standards is carried out through Technical Committees. A Technical Committee is established to deliberate on standards in a given field or area and consists of key stakeholders including government, academia, consumer groups, private sector and other interested parties.

Draft Uganda Standards adopted by the Technical Committee are widely circulated to stakeholders and the general public for comments. The committee reviews the comments before recommending the draft standards for approval and declaration as Uganda Standards by the National Standards Council.

The committee responsible for this document is Technical Committee UNBS/TC 2, *Food and Agriculture*, Subcommittee SC 16, *Water, Drinks and Related beverages*.

Country wine — Specification

1 Scope

This draft Uganda standard specifies requirements and methods of sampling and test for country wines.

2 Normative references

The following referenced documents referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

US ISO 5523, *Liquid fruit and vegetable products — Determination of sulphur dioxide content (Routine method)*

US 28, *Code of practice for hygiene in the food and drink manufacturing industry*

US ISO 4832, *Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coliforms — Colony-count technique*

US ISO 4833-1, *Microbiology of the food chain – Horizontal method for the enumeration of microorganisms – Part 1: Colony count at 30 C by the pour plate technique*

US 45, *General standard for food additives*

AOAC 999.10, *Official method for lead, cadmium, zinc, copper, and iron in foods Atomic absorption Spectrophotometry after microwave Digestion*

US EAS 104, *Alcoholic beverages — Methods of sampling and test*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1

country wines

wines obtained by alcoholic fermentation of fresh or processed fruits or fruit juice with sugar, vegetables, flowers, and herbs with or without of potable water.

3.2

dry wine

wine in which practically all the sugar has been converted by fermentation into alcohol to a maximum sugar content of 4 g/l as sucrose.

3.3

extraneous matter

includes inorganic matter such as sand, glass, metal, gravel, dirt, pebbles, stones, lumps of earth, clay and mud and organic matter such as chaff, straw, weed seeds and fruit matter, insects or insects fragments, rodent hairs or any other foreign matter

3.4

sweet wine

wine which contains some unfermented sugar

4 Types of country wines.

This standard covers the following types of country wine.

- a) dry;
- b) medium dry
- c) semi sweet and
- d) sweet

5 Requirements

5.1 General requirements

5.1.1 The raw materials used in the production of country wines shall conform to the relevant standards.

5.1.2 Country wine shall:

- a) possess the characteristic taste and aroma associated with the type of wine;
- b) be free from cloudiness and suspended/particulate matter;
- c) be made from a minimum of 30% fruit or fruit juice,
- d) be so produced as to prevent spoilage under normal storage conditions;
- e) have typical organoleptic characteristics to the product;
- f) have no artificial colour added to give or amplify colour; and
- g) be free from any extraneous matter.

5.2 Specific requirements

Country wines shall comply with the quality requirements of Table 1.

Table 1 – Quality requirements for country wine

Characteristic	Requirement	Test Method
Ethyl Alcohol %	5 – 16.5	US EAS 104
Total acids g/l as citric acid	3.0 – 10	
Volatile acids, as acetic acid, g/l, max	2.0	
Total sugar as Invert sugar, g/L, Max	Dry country wine : <4 g/l. Medium dry wine :4-12 Semi-sweet : 12-45 Sweet > 45g/L	
Benzoic acid/Sorbic acid, mg/kg, max.	500	
Free sulphur dioxide, mg/l, max	70	US ISO 5523
Total sulphur dioxide, mg/l, max	350	

6 Hygiene

Country wines shall be manufactured and handled in a hygienic manner in accordance with US EAS 39.

6.2 Microbiological requirements

Country wine shall comply with limits for micro-organisms specified in

Table 2

Organism	Limit	Test Method
Total plate count, cfu/mL, max	100	US ISO 4833-1

7 Food additives

Food additives may be used in the production of country wines in accordance with US 45.

8 Contaminants

8.1 Heavy metals

When tested in accordance with AOAC 999.10, the level of Lead (Pb) shall not exceed 0.02 mg/kg.

9 Weights and measures

The volume and fill of country wines shall comply with the weights and measures regulations of Uganda or equivalent legislation.

10 Packaging

10.1 Country wines shall be packaged in suitable food grade containers.

10.2 Country wines shall be packaged for bulk delivery and storage in containers that shall prevent contamination of the product and preserve its safety and quality.

11 Labelling

In addition to the requirements of US EAS 38, the following specific labelling requirements shall apply and shall be legibly and indelibly marked;

- a) Common name as 'country wine' preceded by the fruit name where the wine is produced from Name, physical location and address of manufacturer;
- b) Ethyl alcohol content, % by volume,;
- c) The net contents shall be declared by volume in millilitres or litres;
- d) List of ingredients in descending order of proportion by mass;
- e) Date of manufacture;
- f) type of wine
- g) Batch identification number/code;
- h) Country of origin; and
- i) Statutory warnings

12 Sampling

Sampling shall be done in Accordance to US EAS 104.

Bibliography

- [1] DMS 178: 2016, *Country wines – Specification*
- [2] US EAS 138: 2017, *Still table wine— Specification*

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Certification marking

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