

DRAFT KENYA STANDARD

KS 2150: 2021

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28-01-2021]

ICS 67.160.10

Third Edition

alcoholic mixed beverage— Specification

PUBLIC DRAFT REVIEW

KS 2150: 2021

TECHNICAL COMMITTEE REPRESENTATION

The following organizations were represented on the Technical Committee:

Ministry of Health
Government Chemist's Department
Kenya Wine Agencies Ltd.
East African Breweries Ltd.
Keroche Industries Ltd.
Africa Spirits Ltd.
Institute of Packaging
Kenya Spectre International Ltd.
Agro-Chemical (K) Ltd.
London Distillers (K) Ltd.
National Campaign Against Drug Abuse (NACADA)
Consumer Information Network
Kenya Nut Company Ltd.
Kenya Revenue Authority
Kenya Bureau of Standards — Secretariat

REVISION OF KENYA STANDARDS

In order to keep abreast of progress in industry, Kenya Standards shall be regularly reviewed. Suggestions for improvements to published standards, addressed to the Managing Director, Kenya Bureau of Standards, are welcome.

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Foreword

This Kenya Standard has been prepared by the Alcoholic Beverages Technical Committee under the guidance of the Standards Projects Committee, and it is in accordance with the procedures of the Kenya Bureau of Standards.

During the preparation of this standard, consideration on technical information and data supplied by Kenyan stakeholders regarding quality requirements for these products was done. Of essence is the ethyl alcohol limit and heavy metals, which is adequately addressed in this standard.

This standard therefore covers aspects that ensure that consumer safety is given priority during placement into the market.

This second edition cancels and replaces the first edition KS 2150:2008, which has been technically revised.

During the preparation of this standard, reference was made to the following document:

Food, Drugs and Chemical Substances Act, Cap. 254 of the Laws of Kenya.

Acknowledgement is hereby made for the assistance derived from this source.

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Scope

This Kenya Standard specifies the requirements and test methods for alcoholic mixed beverages.

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.

AOAC 940.15, *Acids in Cordials and Liqueurs*

AOAC 926.03, *Alcohol by Volume in Distilled Liquors*

AOAC 940.17, *Carbon Dioxide in Beer*

AOAC 920.51, *Sugars (Reducing) in Beer*

AOAC 958.04, *Methanol in Distilled Liquors*

AOAC 2015.01, *Heavy Metals in Food*

KS EAS 12, *Potable water — specification*

KS EAS 38, *Labelling of pre-packaged foods — General requirements*

KS EAS 39, *Hygiene in the food and drink manufacturing industry — Code of practice*

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

KS 1499, *Code of practice for processing, handling and distribution of alcoholic beverages*

GSFA, *Codex General Standard for Food Additives*

KS EAS 35, *Fortified food grade salt - Specification*

3 Terms and definitions

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

alcoholic mixed beverage

alcoholic beverages derived from blending of potable undenatured spirits, beers, wines as base with natural/nature identical/artificial additives permitted under GSFA and preserved chemically, carbonation or heat treatment.

4 Requirements

4.1 Ingredients

4.1.1 Ethyl alcohol

Ethyl alcohol content in this product shall be 3 % minimum (5.25 ° proof) at 20 °/20 °C when determined according to the method prescribed in KS EAS 104. The tolerance limits for ethyl alcohol content shall be ± 1.0 % of the declared strength.

4.1.2 Freedom from harmful ingredients

The product shall be free from any ingredients injurious to health and shall be free from sediments or suspended matters except for the components incorporated in colloidal suspension and roughage from fruit/juice.

4.1.3 Colours and additives

The product may contain natural/natural identical/ synthetic permitted food colours and additives as defined by GSFA

4.1.4 Taste and aroma

The product shall possess the characteristics taste and aroma associated with respective base material to enhance the characteristics flavour of the product, natural/nature identical/artificial flavours permitted may be used.

4.1.5 preservation

The product may be carbonated with carbon dioxide (see Table 1). Other preservation methods may include pasteurization, chemical preservatives, nitrogen gas or other suitable methods as prescribed in Codex alimentarius.

4.1.6 Water

The water used in the manufacture of the product shall be potable complying with KS EAS 12.

4.1.7 Edible salt

Edible salt if used in the manufacture of the product shall comply with KS EAS 35

4.2 Specific requirements

The product shall comply with the specific requirements given in Table 1 when tested in accordance with the test methods prescribed therein.

Table 1 — Specific requirements for alcoholic mixed beverages

S/N	Characteristic	Requirement		Test method
i.	pH	2.00 – 5.00		KS EAS 104
ii.	Total acidity g/l, as	Citric acid	7 max	AOAC 940.15
		Tartaric acid	8 max	
iii.	Ethyl alcohol content %, v/v min	3.00		AOAC 926.03
iv.	Sugar, % max.	20		AOAC 920.51
v.	Methyl alcohol max.	30 ppm		AOAC 958.04

5 Heavy metal contaminants

The product shall comply with the heavy metal limits given in Table 2 when tested in accordance with the test methods prescribed therein.

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Table 2 — Heavy metal limits for spirit based ready to drink alcoholic beverages

S/N	Characteristic	Limit, max.	Test method
	Lead (as Pb), ppm	0.01	AOAC 2015.01

6 Hygiene

The products shall be manufactured in approved and licensed premises built and maintained under hygienic conditions stipulated in KS 1499 and KS EAS 39.

7 Fill of container

The fill of container shall be in accordance with the Weights and Measures Act, Cap. 513 of the Laws of Kenya.

8 Packaging

The product shall be packaged in food grade material that does not affect the quality and safety of the product.

9 Labelling

In addition to the requirements of KS EAS 38, the package shall be legibly and indelibly marked with the following information:

- a) name of product;
- b) net contents;
- c) name and physical address of manufacturer or packer, distributor, importer or exporter;
- d) date of manufacture;
- e) expiry date;
- f) storage instructions;
- g) country of origin;
- h) ethyl alcohol content; and
- i) batch or lot number.

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