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EAST AFRICAN STANDARD

Hog gambrels — Specification

EAST AFRICAN COMMUNITY

Draft for comments only — Not to be cited as East African Standard

Foreword

Development of the East African Standards has been necessitated by the need for harmonizing requirements governing quality of products and services in East Africa. It is envisaged that through harmonized standardization, trade barriers which are encountered when goods and services are exchanged within the Community will be removed.

In order to meet the above objectives, the EAC Partner States have enacted an East African Standardization, Quality Assurance, Metrology and Test Act, 2006 (EAC SQMT Act, 2006) to make provisions for ensuring standardization, quality assurance, metrology and testing of products produced or originating in a third country and traded in the Community in order to facilitate industrial development and trade as well as helping to protect the health and safety of society and the environment in the Community.

East African Standards are formulated in accordance with the procedures established by the East African Standards Committee. The East African Standards Committee is established under the provisions of Article 4 of the EAC SQMT Act, 2006. The Committee is composed of representatives of the National Standards Bodies in Partner States, together with the representatives from the private sectors and consumer organizations. Draft East African Standards are circulated to stakeholders through the National Standards Bodies in the Partner States. The comments received are discussed and incorporated before finalization of standards, in accordance with the procedures of the Community.

Article 15(1) of the EAC SQMT Act, 2006 provides that "Within six months of the declaration of an East African Standard, the Partner States shall adopt, without deviation from the approved text of the standard, the East African Standard as a national standard and withdraw any existing national standard with similar scope and purpose".

East African Standards are subject to review, to keep pace with technological advances. Users of the East African Standards are therefore expected to ensure that they always have the latest versions of the standards they are implementing.

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Introduction

Hog gambrels are used for hanging and moving dehaired carcasses of pigs in an abattoir or a bacon factory so as to avoid contamination of the carcasses from floor and to ensure ease in further examination and processing of the carcasses.

In the preparation of this East African Standard, the following sources were consulted extensively:

IS 6782:1972(R2005), *Specification for Hog Gambrels*

Codex Alimentarius website: http://www.codexalimentarius.net/mrls/pestdes/jsp/pest_q-e.jsp

USDA Foreign Agricultural Service website: <http://www.mrlidatabase.com>

USDA Agricultural Marketing Service website: <http://www.ams.usda.gov/AMSv1.0/Standards>

USDA Plant Inspectorate Service website: http://www.aphis.usda.gov/import_export/plants

European Union: http://ec.europa.eu/sanco_pesticides/public

Assistance derived from these sources is hereby acknowledged.

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Hog gambrels — Specification

1 Scope

This East African Standard specifies the material, dimensions and other requirements for hog gambrels. These hog gambrels are suitable for semi-automatic type of abattoirs.

2 Normative references

The following referenced documents are indispensable for the application 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.

CAC/RCP 1, *Recommended international code of practice — General principles of food hygiene*

CD-K-670:2010, *Bovine (beef) meat — Carcasses and cuts*

CD-K-671:2010, *Caprine (goat) meat — Carcasses and cuts*

CD-K-672:2010, *Ovine (sheep) meat — Carcasses and cuts*

CD-K-673:2010, *Porcine (pig) meat — Carcasses and cuts*

CD-K-675:2010, *Edible meat co-products*

CD-K-697:2010, *Code of hygienic practice for meat*

CD/K/700:2010, *Ante-mortem and post-mortem inspection of meat animals — Code of practice*

EAS 11, *Galvanized plain and corrugated iron sheets — Specification*

ISO 630-1, *Structural steels — Part 1: Plates, wide flats, bars, sections and profiles*

ISO 657-1, *Hot-rolled steel sections — Part 1: Equal-leg angles — Dimensions*

ISO 657-5, *Hot-rolled steel sections — Part 5: Equal-leg angles and unequal-leg angles — Tolerances for metric and inch series*

ISO 2937, *Plain end seamless steel tubes for mechanical application*

ISO 4014, *Hexagon head bolts — Product grades A and B*

ISO 6157-1, *Fasteners — Surface discontinuities — Part 1: Bolts, screws and studs for general requirements*

ISO 6157-3, *Fasteners — Surface discontinuities — Part 3: Bolts, screws and studs for special requirements*

ISO 7089, *Plain washers — Normal series — Product grade A*

ISO 11972, *Corrosion-resistant cast steels for general applications*

ISO 11973, *Heat-resistant cast steels and alloys for general applications*

ISO 16143-1, *Stainless steels for general purposes — Part 1: Flat products*

7 Workmanship and finish

7.1 The hog gambrel shall hang horizontal.

7.2 The components shall be free from flaws, burrs, pits and sharp edges. The components shall be galvanized before assembly for the protection from rust and corrosion.

7.3 The welding of the components shall be satisfactory in all respects. It shall not be porous or brittle.

8 Marking and packing

8.1 Marking

The hog gambrels shall be marked with the following information:

- a) Manufacturer's name or trade-mark, if any;
- b) Year of manufacture;
- c) Batch or code number; and
- d) Weight of the gambrel.

8.1.1 The marking shall be done at an appropriate and visible -place.

8.1.2 Each hog gambrel may also be marked with a Certification Mark.

8.2 Packing

The hog gambrels shall be packed for safe handling in transit as agreed to between the manufacturer and the purchaser.

9 Sampling

The method for drawing representative samples of hog gambrels and the criteria for conformity shall be as given in Annex A.

Annex A (normative)

Sampling of hog gambrels

A.1 Scale of sampling

A.1.1 Lot — In any consignment all hog gambrels of the same type, shape and size manufactured from the same material under relatively similar conditions of manufacture shall be grouped together to constitute a lot.

A.1.2 For ascertaining the conformity to the requirements of this specification the test shall be carried out separately for the each lot.

A.1.3 The number of hog gambrels to be sampled from a lot, for ascertaining conformity to the requirements of this specification, shall be according to col 2 of Table 1.

Table 1 — Scale of sampling and permissible number of defectives for hog gambrels

Number of hog gambrels in a lot	For visual and dimensional tests		For tests other than visual and dimensional	
	Sample size	Permissible number of defectives	Sub-sample size	Permissible number of defectives
(1)	(2)	(3)	(4)	(5)
Up to 100	5	0	2	0
101 to 300	13	1	3	0
301 to 500	32	3	5	0
501 to 1000	50	5	8	1
1001 and above	80	7	13	1

A.1.4 The hog gambrels shall be selected at random from the lot and for this purpose a random number table as agreed to between the purchaser and the supplier shall be used. If such a table is not available, the following procedure shall be adopted:

Starting from any hog gambrel in the lot count them as 1, 2, 3, ..., up to r in a systematic manner, where r is equal to the integral part of N/n , N being the total number of hog gambrels in the lot and n the number of hog gambrels to be selected (see Table 1). Every r th hog gambrel thus counted shall be separated until the requisite number of hog gambrels to be obtained from the lot to give the sample for the test has been obtained.

A.2 Number of tests and criteria for conformity

A.2.1 Tests for visual and dimensional characteristics — The hog gambrels selected at random according to A.1.4 shall be examined for the visual and dimensional characteristics. A hog gambrel failing to satisfy any one or more of these requirements shall be considered as conforming to the requirements for these characteristics if the number of defectives in the sample does not exceed the number given in col 3 of Table 1.

A.2.2 Tests other than visual and dimensional — If the lot passes the tests for visual and dimensional requirements (see A.2.1), a sub-sample of size given in col4 of Table 1 shall be taken from the hog gambrel selected in A.2.1. Each of the hog gambrels in the sub-sample shall be tested for the requirements of characteristics other than visual and dimensional. A hog gambrel not satisfying any one or more of these requirements shall be regarded as defective. The lot shall be considered to conform to these requirements if the number of defectives in the sub-sample does not exceed the number given in col 5 of Table 1.

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