

Grading live animal for meat trade - Specification

Part 2: Goat

PUBLIC REVIEW DRAFT, NOVEMBER 2017

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TECHNICAL COMMITTEE REPRESENTATION

The following organizations were represented on the Technical Committee:

Ministry of Agriculture. Livestock and Fisheries- Directorate of livestock production
Ministry of Agriculture. Livestock and Fisheries - Directorate of veterinary services
Kenya Camel Association (KCA)
University of Nairobi (UON)
Kenya Industrial Research and Development Institute (KIRDI)
Kenya Agricultural and Livestock Research Organization (KARLO)
International Livestock Research Institute (ILRI)
Kenya Livestock Marketing Council (KLMC)...Proposed
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Ministry of Industry, Trade and Cooperatives
National Public Health Laboratories
Government Chemist's Department
Kenchic (K) Ltd.
Kenya Meat Commission
Kenya Nut limited – Morendat Farm
Choice Meats limited
Kenya Bureau of Standards (KEBS)

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KENYA STANDARD

**Grading live animal for meat trade -
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Part 2: Goat

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Foreword

This Kenya Standard was prepared by the Meat and Meat Products 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, reference was made to the following documents:

Kenya Meat Commission Act Cap 363 of the laws of Kenya

ILRI discussion paper No. 22, Improvement and Diversification of Somali Livestock Trade and Marketing; Towards a formalized grading system for export quality livestock in Somalia

Stuth, J. et al., (2006). "Livestock Market Information System for East Africa: The Case of LINKS/GL-CRSP." In J.G McPeak and P.D Little , eds Pastoral livestock marketing in Eastern Africa: Research and policy challenge

ES 2789:2012-Grading live animals and carcass

Australian Standard for the export of livestock (version 2.3) 2011

Cap 360 of Animal welfare Act

The assistance derived from the above sources is highly acknowledged.

Grading live animals for meat trade –Specification

Part 2: Goats

1. SCOPE

This Kenya Standard specifies requirements for grading of goats for meat trade

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.

- I. *KS 01-837: Parts 2 1990 Definitions for living animals for slaughter*
- II. *KS 317- 2 Carcasses and meat cuts*
- III. *Code of practice for animal welfare during transportation.*

3. DEFINITIONS

For the purposes of this standard, the following definitions shall apply:

3.1 Grade

the defined parameters that segregate live animals for meat trade into homogenous groups applied by market participants based on weight, age, sex, body condition and body conformation.

3.2 Sex

refers to whether an animal is male or female.

3.3 Body condition

Overall body state of an animal assessed through visual observation taking into account fat and muscle deposition as it occurs in various places on the animal's body

3.4 Body condition score

Is the score assigned through visual appraisal of specific body parts. The extent to which specific skeletal body parts {including; hips, hooks and pins, rump, shoulders, back (spinous processes of the thoracic vertebrae), ribs} are either hidden or smoothed by flesh or fat. The animals are thus categorized as excellent; good; fair and poor;

3.5 Body conformation

is the symmetry, size and shape of the various body regions of an animal relative to each other or the general appearance of the animal according to what is considered a desirable appearance. Features of an animal that comprise the 'desirable appearance' include

- a) Big frame or skeletal size of the animal—under this feature height and length as crucial elements to consider. Top quality animals are those that shall be tall with large body frame;
- b) Good muscling— under this feature, thick and long muscling is preferred;
- c) Good appearance of feet and legs—important features to consider here shall include a long and straight (level) rump; long and broad loin; long and straight back; and well set and straight legs. Goat exhibiting a large heart girth in relation to overall body size (height and length of body) will attain a higher score.

3.6 Conformation score

- This is a qualitative categorization of animal features based on body frame, animal height and defects. They shall be described as excellent, good or fair.

3.7 Castrated male:

Male animals whose testicles have been rendered dysfunctional through an approved procedure.

3.8 Live weight:

the weight of an animal before slaughter determined through an appropriate and acceptable method.

Lordosis

Excessive inward curvature of the spine.

Kyphosis

Excessive outward curvature of the spine.

4.2 Grading specifications for goats

4.2.1 The grading of goats shall be done in accordance to age, sex, weight, body condition and body conformation.

4.2.5 Age: categories will be based on dentition and/or records.

Sex: categories will be based on: male (castrated or un-castrated) and female

4.2.4 Weight: A minimum weight of 15 kgs will apply for Grade 1 and 2. The live weight will be determined by any appropriate method including weighing scale and weight band.

4.2.2 The body condition of goats shall be determined according to Table 3 as excellent, good and poor.

Table 1: Descriptions for body condition scores for Goats

Body Score	Hind leg	Loin	Shoulder	Ribs	Brisket
Excellent	Muscle very well developed i.e., semi tendemosus, biceps femoris, quatriceps tail-head filled and mounded	Wide and very well developed loin up to the shoulder region, spinous processes are hidden or smoothened by flesh and/or fat	Shoulder muscles very well developed. Shoulder blade not visible	Ribs not visible	Brisket well developed, covered with flesh and/or fat
Good	Moderately developed, moderately filled tail head	Moderately developed loin, spinous processes not seen but easily felt.	Shoulder muscles moderately developed, shoulder blades slightly visible	Ribs visible, moderate flesh cover	Brisket moderately developed
Poor	Tail head unfilled and sunken pinbone prominent	Poorly developed loin, spinous processes visible	Poor developed shoulder muscles, shoulder blades prominent	Ribs visible	Brisket poor developed

4.2.3 Body Conformation Score(CS) shall encompass the symmetry, size and shape of the various body regions of the goat relative to each other or the general appearance of the animal as outlined in Table 4:

Table 2: Body conformation classifications and descriptions for goats

Scores	Description
Excellent	Goats of good height (tall), with large frame and long and straight rump, loin and back, large heart girth and straight legs.

Good	Goats of medium height with medium frame, shorter but straight rump, loin and back, medium heart girth and straight legs
Fair	Goats with defects including a short and small frame, a small heart-girth in relation to the overall body size; lordosis or kyphosis, or feet and legs that are post-legged, buck-kneed, splay-footed or sickle-hocked.


4.3 Goat grades

The interaction of sex, age, body condition, and conformation shall determine the goat grades as described in Table 5:


Table 3: Grades and grading parameters for goats

Grade	Sex	Weight	Age	Body condition	Body conformation
1	Male un-castrated	Minimum 15 Kg	Max 48 months	Excellent	Excellent
	Male castrated	Minimum 15 Kg	Max 48 months	Excellent	Excellent
	Female	Minimum 15 Kg	Max 36 months	Excellent	Excellent
2	Male un-castrated	Minimum 15 Kg	Max 48 months	Good	Good
	Male castrated	Minimum 15 Kg	Max 48 months	Good	Good
	Female	Minimum 15 Kg	Max 36 months	Good	Good
3	All eligible stock	No limit	No limit	Poor	fair

Table 4 Sample Pictorial presentation of grades

Grade	Sex	Pictorial presentation
1	Male un-castrated	
	Male castrated	

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	Female	
2	Male un-castrated	
	Male castrated	
	Female	
3	All eligible stock	

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