

KENYA STANDARD

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Meat meal for compounding animal feeds- Specification

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TECHNICAL COMMITTEE REPRESENTATION

The following organizations were represented on the Technical Committee:

Ministry of Livestock Development — Department of Livestock Production
Department of Veterinary Services

Kenya Meat Commission
Joeliz Bone meal Ltd
Unga Farm Care (EA) Ltd.
Government chemist
Consumer Information Network
Kenya Agricultural Research Institute (KARI)
Proctor and Allan EA Ltd.
AKEFEMA-Association of Kenya Feed Manufacturers
Pembe flour Mills ltd
University Of Nairobi
Kenya Bureau of Standards — Secretariat

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Meat meal for compounding animal feeds- Specification

Public Review draft

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FOREWORD

This Kenya standard for meat meal has been developed by the Animal Feeds Technical Committee with the guidance of the Standards Project Committee.

Meat meal is derived from mammal tissue excluding bones hoofs, horns, hair, blood, manure and stomach contents. It is incorporated in feedstuffs as a protein supplement.

Publication of this standard will assist processors and feed manufacturers to exercise proper quality control during its production.

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

Fertilizers and Animal Feedstuffs Act, Cap. 345.

Processing and utilization of animal by-products — By I. Mann (FAO/WHO).

Official Publication 1987 by Association of American Feed Control Officials.

Acknowledgement is hereby made for the assistance received from these sources.

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KENYA STANDARD

MEAT MEAL FOR COMPOUNDING AIMAL FEEDS- SPECIFICATION

1. SCOPE

This standard prescribes minimum requirements for meat meal used in compounding animal feeds.

2. DEFINITION

Meat meal shall be the rendered product from mammal tissues, excluding bones, blood, hair, hoof, horn, hide trimmings, manure and stomach contents except in such amounts as may occur unavoidably in good processing practices.

3. REQUIREMENTS

- 3.1** Meat meal shall be free from rancidity, toxic ingredients, adulterants, foreign matter, insects and pathogenic micro-organisms.
- 3.2** It shall be in the form of a powder.
- 3.3** It shall have a characteristic cooked meat smell.
- 3.4** It shall conform to the requirements in Table 1 below:

TABLE 1. MINIMUM REQUIREMENTS OF MEAT MEAL

PARAMETERS	REQUIREMENTS (% BY MASS)	METHODS OF TEST
Moisture content, (max.)	10	KS 01-63: PART 1*)
Crude protein, (min.)	55	
Crude fat, (max.)	10	
Calcium, (max.)	8	
Crude fibre, (max.)	3	
Phosphorus, (max.)	4.4	
Total ash, (max.)	15.0	
Acid insoluble ash, (max.)	1.0	
NaCl, (max.)	4	

*Methods of test for animal feedstuffs.

NOTES: 1. The values of specified calcium and phosphorus are on a moisture free basis.

2. The calcium level shall be not more than 2.2 times the phosphorus level.

4. Microbiological requirements

4.1 Meat meal shall be free from *salmonellae*, spores of *bacillus anthracis* and clostridia when tested according to the method prescribed in KS 01-63: Part 3*

4.2. Meat meal shall be adequately treated with an antioxidant.

5. PACKAGING AND LABELLING

5.1 Packaging

5.1.1 Compounded meat meal for sale shall be packed in containers which are of sufficient strength and sufficiently sealed so as to withstand reasonable handling without tearing, bursting or falling open during normal handling and transportation.

5.1.2 Each container for Compounded meat meal shall be clean and free from visible indications of contamination, infection and insect infestation.

5.2 **Labelling** — the packages shall be securely closed and marked with the following information:

- (i) Name of product; 'Meat Meal';
- (ii) Net Weight of the product;
- (iii) Batch number;
- (iv) Name and physical address of the manufacturer;
- (v) Date of manufacture and expiry
- (vi) Crude protein, calcium, phosphorus and fat contents;
- (vii). Instructions for use and storage

* Bacteriological tests.