KENYA STANDARD

Poultry feed premixes - Specification

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The following organizations were represented on the Technical Committee:

1. Ministry of Livestock Development — Department of Livestock Production
2. University of Nairobi — Department of Animal Production
3. Kenya Agricultural Research Institute (KARI)
4. Unga Farm Care EA Ltd.
5. Tamfeeds K Ltd
6. Modern Ways Ltd.
7. Consumer Information Network
8. Department of Veterinary Services
9. AKEFEMA-Association of Kenya Feed Manufacturers
11. Pioneer Feeds Ltd
12. Nutrimix (K) Ltd
13. Pembe Flour Mills
14. Eaglevet (K) Ltd
15. Joeliz Bone meal Ltd.
16. Proctor and Allan (EA) Ltd
17. Kenya Bureau of Standards — Secretariat

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Poultry feed premixes- Specification

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FOREWORD

This Kenya Standard was prepared by the Animal Feeds Technical Committee under the guidance of the Standards Projects Committee, and it is in accordance with the procedures of the Kenya Bureau of Standards.

Animal mineral and vitamin requirements vary from herd to herd and group to group depending on physiological statuses and seasonality. Appropriate levels of vitamins and minerals impact energy and fat metabolism, immunity, health and lameness, feed intake, and animal productivity. Many factors influence vitamin and mineral availability and utilization.

The animal feed manufacturing industry in Kenya has continued to utilize animal premixes that are either imported whole (ready for use) or locally re-constituted in our factories without clear guidelines on specifications on nutrient requirements for the premixes. In view of the above, it has become necessary to develop standards for animal feed premixes for use in compounding animal feeds in Kenya. It is expected that such an attempt could facilitate increased trade volumes as well as create a vibrant and competitive animal feed manufacturing industry in the region.

During the preparation of this Kenya Standard, reference was made to the following publications:
KS-61-Poultry feed supplements-Specification

The assistance received from these sources is acknowledged with thanks.
1. **SCOPE**

This Kenya Standard specifies requirements for compounded poultry feed premixes used as a sole source of vitamins and trace elements for poultry.

2. **DEFINITIONS**

For the purpose of this Kenya Standard, the following definitions shall apply:

2.1 **Premix** is a concentrated mixture of vitamins, trace minerals and diluents. It may contain other feed additives such as amino acids or medicaments.

2.2 **Compound feeds**: is a mixture of feedstuffs blended from various raw materials and additives as a concentrate that provides part of the ration (energy, protein, trace elements) for poultry

2.3 **Chicks**: young laying or breeding chicken up to 6 – 8 weeks of age

2.4 **Growers**: laying or breeding chicken from 6 weeks of age up to the point of laying

2.5 **Layers**: laying hens producing eggs

2.6 **Breeders**: breeding chicken producing fertile eggs

2.7 **Broilers**: chicken specially bred for meat

— Broiler starter 0 – 3 weeks.
2.8 Ducklings - young ducks up to 6 – 8 weeks of age
2.9 Poults - young turkeys up to 6 weeks of age

3. REQUIREMENTS

3.1 Description — Premixes shall be a fine powder, granular or liquid concentrate.

3.2 The Premix shall be free from harmful constituents, metallic objects, adulterants, moulds, pathogenic micro-organisms or pest infestation and free from fermented, musty, rancid or uncharacteristic odour.

3.3 The poultry feed premix shall contain the following nutrients.
# TABLE OF NUTRIENTS LEVELS FOR POULTRY FEED PREMIXES

<table>
<thead>
<tr>
<th>SL No</th>
<th>Class of stock</th>
<th>Vit.A I.u</th>
<th>Vit. D3 I.u</th>
<th>B2 mg</th>
<th>B12 mg</th>
<th>E I.U</th>
<th>K mg</th>
<th>B6 mg</th>
<th>Pantothenic acid mg</th>
<th>Nicotinic acid mg</th>
<th>Folic acid mg</th>
<th>Choline mg</th>
<th>Copper mg</th>
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<th>Iodine mg</th>
<th>Zinc mg</th>
<th>Selenium mg</th>
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**NB:**  
i) The above levels must be attained by inclusion at 1kg of premix per metric tonne of feed. Premixes labelled at different inclusion rate must contain a pro rata level of nutrient.
4. PACKAGING AND LABELLING

4.1 Packaging

4.1.1 Poultry feed premixes 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.

4.1.2 Each container for feed premixes shall be clean and free from visible indications of contamination, infection and insect infestation.

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

(i) Name of product;

(ii) Category of animals for which it is intended;

(iii) Net Weight of the product;

(iv) Batch number;

(v) Name and physical address of the manufacturer;

(vi) Date of manufacture and expiry

(vii) Nutrient declaration:-

(Viii). Instructions for use and storage

5. SAMPLING

For the purpose of determining compliance with this standard, samples of poultry feed premixes shall be collected from the market or elsewhere and shall be required to comply with all the requirements of this Kenya Standard.