

IS 1374 : 2024 Chicken Feed – Specification (Sixth revision)

Chicken feed is used to maximise the growth of this broiler chicken and to increase the production of eggs for laying chicken. The composition of the product is also aimed to enhance nutrient utilization by the chicken. This standard prescribes the requirements, sampling and methods of test for chicken feeds of 18 types covering all stages and ages of broiler, grower, chick, layer and breeder.

As quality of ingredients used has direct effect on the safety and quality of product, the standard has given a positive list of ingredients which shall be used for its manufacturing. Feed shall be in form of pellets, crumbs or mash. It shall be wholesome, produced under clean manufacturing set up and free from rancidity, musty odour, toxic ingredients, metallic objects, adulterants, moulds and insect infestation.

To mitigate the risk of antimicrobial resistance in humans, this standard prohibits the usage of antibiotics from medically important antimicrobial classes in chicken feed for growth promotion. To maintain high nutritional quality, specified requirements for protein, fats, crude fiber, calcium, phosphorous, metabolizable energy, amino acids, vitamins and minerals are given. The requirements are given according to the type of feed and its desired composition for particular age and stage of chicken, along with methods of test.

The standard also details safety requirements like maximum prescribed limit for harmful substances like heavy metals, aflatoxin B1, free grossypol, hydrocyanic acid, BHC, DDT, endosulphan, aldrin etc. Along with these, the standard also provides feed requirements and expected performance of chicken as per its age and function.

Packaging and marking requirements specify it to be packed in clean, dry and sound, plain or polyethylene lined jute bags or HDPE bags or laminated paper bags. Other details on the pack include name, type, brand, manufacturer address, quantity, batch no., best before date along with the composition parameters like nutritive additives and non-nutritive additives, Crude protein content, Crude fibre content, Aflatoxin B1 content, Metabolizable energy (calculated), in kcal/kg etc.