



IS 2052 : 2023 Compounded Feeds for Cattle — Specification

Compounded cattle feed is a mixture of various concentrate feed ingredients in suitable proportions. It is a balanced source of protein, energy, minerals and vitamins that are vital for normal health, milk production and reproduction for cattle. This standard prescribes the requirements, sampling methods, and tests for cattle feed intended for buffaloes, cattle, and working bullocks.

The standard specifies requirements for feed available in two types: *Type I* for high-yielding animals and *Type II* for low-to-medium yielders. The feed must be free of harmful substances, contaminants, and objectionable odors and only plant-based ingredients with restricted animal origin content (only milk and milk products) are permitted to be its constituents. The standard lays down nutrient requirements to ensure a balanced composition of the feed. The requirements of protein, fat, fiber, and ash are distinctive for the two types while other requirements including minerals, vitamins, and moisture are common. The standard also limits the aflatoxin B1 content to 20 ppb max in plant based raw material as well as product and Cadmium to 0.5 ppm max to mitigate health hazard for cattles.

The standard also provides guidance on carefully choosing ingredients to ensure a healthy balance of nutrients, including grains, oilseeds, and certain industrial by-products. The feed packaging must be robust, labeled with critical information like nutrient content, manufacturing date, and batch details.

This standard, first published in 1962 and revised multiple times, reflects the latest scientific advancements to enhance feed quality and ensure safe and nutritious cattle feeding practices. In this fifth revision, the standard has been updated considering latest technological developments and manufacturing practices.