



**Introduction:**

Besides Carbohydrates, Fat, Protein and Vitamins, Minerals forms an integral part of the animal nutritional requirement. Though minerals required in small quantities, are very much essential for the maintenance of the general metabolism of the birds for their normal growth, maintenance and production. They are used as an integral components of Enzymes, Vitamins, Hormones, Insulin and Pigments, etc. Minerals may be classified as Macro / Major minerals (Calcium, Phosphorus, Magnesium, etc. and Micro/Trace (Selenium, Zinc, Manganese, Iron, Copper, Iodine, etc. according to their dietary level needed.

Analysis of each minerals has revealed that major portions of calcium, magnesium and zinc are present in bones. Other essential elements are distributed largely in muscles, soft tissues and body fluids. Besides this, minerals play critical roles in the development and function of the immune system. It is therefore, imperative that mineral status be maintained to insure sufficient stores are available for optimal animal performance or when animals become diseased or stressed.

Animal feed is largely deficient in minerals. The feed is therefore fortified by naturally and commercially available minerals. In order to achieve highest and desired performance supplementation of mineral in right and sufficient quantities is crucial.

Deficiencies of Minerals/Trace Minerals lead to degrowth and various malfunctions, like reduced uptake of oxygen and other nutrients, impaired protein, fat and carbohydrate metabolism, reduced efficacy, osmotic, etc.

The actual requirement should be depending upon the amount of minerals will optimize growth, immunity and production performance of the birds. It will also vary for each breed, etc.

Considering these all aspects, Advanced Biotechnologies, a world wide leading nutrition specialist company has designed and formulated a standard Mineral Mixture for Broiler, Layer and Breeders. These inorganic minerals are collected from the source of highly bioavailable and stable salts. Finally, by the latest technology produced free flowing mineral mixtures free from undesirable odor, putrefied smell and free from harmful bacterial and heavy metal contamination.

**Composition:**

Each kg contains:

Cobalt	3gm	Iodine	4gm
Calcium	180gm	Phosphorous	90gm
Copper	15gm	Iron	80gm
Manganese	110gm	Zinc	100gm
Selenium	120gm	Chromium	01gm

**Benefits**

- Maintain health, muscle and bone strengths
- Improves growth and body weight
- Increases egg production
- Increases egg hatchability
- Enhances quality of egg shell, reduce egg breakage
- Improves nutritive value of eggs
- Prevents delayed maturity and repeat breeding
- Prevents perosis, Osteomalacia & Anoestrus, etc.
- Prevents Leg weakness and Lameness
- Prevents poor feathering and poor growth & mortality
- Builds up immunity power and greater disease resistance
- Alleviates stress

**Dosage:** 750 gm to 1000 gm per Ton of feed

**Shelf Life:** MinMix is stable minimum for two years from the date of manufacture.

**Storage:** Should be stored in a cool and dry place away from sunlight.

**Packaging:** Minmix is available in 25 Kg Paper Bag.

**Compatibility:** MinMix is compatible for use with all commonly used ingredients in feed and premixes.

**Enquiries:** We welcome your enquiries for specification, application assistance or purchase at the address mentioned below

The information and data contained herein has been compiled based on information we believe reliable. Users should thoroughly test all applications and independently conclude satisfactory performance before commercializations, as these recommendations are non-binding. User's assume all liabilities for use of the Products. We are not liable for any advice which we may have failed to give.

