



Bi **OROMIN**TM The Organic minerals

Minerals in poultry nutrition are typically classified as macro and micro-minerals, depending on the levels needed in the feed. The macro-minerals include calcium, phosphorus, chlorine, magnesium, potassium, and sodium. Requirements for the macro-minerals are typically expressed as percentage of the diet, while the requirements for the micro-minerals are stated as parts per million. Although the quantities required for micro-minerals are lower than macro-minerals, they play an essential role in the metabolism. The micro-minerals include copper, iodine, iron, manganese, selenium, zinc etc.

Importance of Organic minerals:

A plant takes the inorganic minerals from the soil. It then converts them into a more adsorbed size and form. These minerals are called bio-available minerals or organic minerals. Minerals derived from rocks process are called inorganic minerals, which causes less productivity due to poor bio-availability.

Mineral deficiency:

Trace minerals deficiency can cause severe effects in performances. A balanced trace mineral nutrition is very much essential to maintain immunity, health status, performance, reproductive function and productivity. Routine addition of inorganic minerals in feed will lead to mineral imbalance and deficiency. It is important to maintain the bio availability of minerals for stress free digestion and absorption. Minerals deficient even in traces also will have a big impact on overall performance.



Methodology - a key factor:

There are several methods to make organic minerals commercially. The procedures may differ from one another based on the nature of amino acids, peptides and protein for making organic minerals (e.g chelation) . The bio-availability is also different based on the organic sources for proteination technology. Incomplete bonding between peptides and minerals will cause additional damages like oxidation and imbalance. so the quality and performance of the organic minerals always depend on the methodology.

Bi OROMIN™ The Speciality Organic Minerals from BioNexgen:

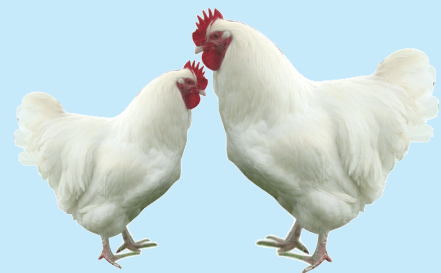
The minerals in BiOromin are unique mineral proteinates i.e trace minerals bound to amino acids and peptides. It is produced using special proteination technology that assures more bio-availability of minerals.

The Bi OROMIN™ Advantage:

The pH environment of the small intestines is a challenge for inorganic minerals. It is now recognized that most diseases can be traced to essential mineral imbalances like excessive levels of some, and deficiencies in others. The unique blend of organic minerals in BiOromin helps to extract the maximum genetic potential of the bird through better bio availability.

Composition : Each kg contains organic forms of

❖ Cobalt	1100 mg
❖ Chromium	200 mg
❖ Copper	4600 mg
❖ Manganese	72.5 g
❖ Iodine	4200 mg
❖ Iron	60.5 g
❖ Selenium	300 mg
❖ Zinc	72.5 g



25 kg

Benefits:

- ❖ Enhances bio-availability of minerals
- ❖ Ensures intestinal absorption
- ❖ Strengthens bone formation
- ❖ Improves shelf life of egg and meat
- ❖ Maintains overall performance

Mixing Rate:

Layers and Broilers: 500 g to 750 g per ton of feed

Breeders: 1kg per ton of feed or as recommended by Veterinarian / Nutritionist

Manufactured and Marketed by:



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