



BUFFERMIN[®] PROTEINATES

Chelated Mineral Animal Feed Supplements

BUFFERMIN PROTEINATES

The **Buffermin Proteinates** are a line of chelated trace minerals for animals. Metal proteinates are defined as products resulting from the chelation of a soluble salt with amino acids and (or) partially hydrolyzed protein (AAFCO 2000). Chelation is an encapsulation process that uses the amino acid or protein to make a shell around the mineral. This protective shell creates a molecule with a neutral charge that resists chemical interactions so that the mineral can pass through the body until well into the digestive process. In this way the animal's stomach lining isn't clogged with immovable trace minerals that interfere with absorption. **Buffermin Proteinate** minerals include: calcium, cobalt, copper, iron, magnesium, manganese, molybdenum, potassium, and zinc.

Buffermin Proteinates are designed as nutritional animal feed supplements that are safer to use and more effective than inorganic minerals or synthetic chelates. For example, dairy cows provide more milk output when chelated minerals (or mineral proteinates) are fed than when inorganic sulfate additives are used.



Advantages of Using BUFFERMIN[®] PROTEINATES

- High nutrient availability
- Not synthetic
- Easy to use
- Uniform blending
- Low heavy metal content



OTHER ANIMAL FEED SUPPLEMENTS & ADDITIVES

- ◇ **Odor Buster**
Natural Odor Reducer
- ◇ **NutraOligos**
Oligosaccharides
- ◇ **Iron Dex**
Oral Iron
- ◇ **MorGard**
Mold Inhibitor for Feed
- ◇ **Mor-Acid**
Acidifier and Antioxidant
- ◇ **Instamins**
Soluble Amino Acid Chelates
- ◇ **MicroFerm Yeast**
Yeast Product



Buffermin Proteinates contain less insoluble protein than other chelated products. Moreover, **Buffermin Proteinates** have a low average molecular weight that is more available for uptake and translocation in the animal.

As with all our products, the **Buffermin Proteinates** have a relatively low heavy metal content which minimizes the amount of contamination ingested by your livestock. Low heavy metal intake means low heavy metal manure which is better for the environment.



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For labels and MSDS, visit our website at www.jhbiotech.com or call us at 805.650.8933