

FEED SUPPLEMENT

POWDER



NUTREX  
CURRENT NUTRITION TECHNOLOGY EXPONENTS

# IRON CHELATE

High Bioavailability Iron Supplement

## BIOAVAILABILITY, ABSORBABILITY AND STABILITY COMBINED!

### IRON

is a required component of hemoglobin in red blood cells. It is also found in muscle as myoglobin, in serum transferrin, in the placenta as uteroferrin, in milk as lactoferrin, and in the liver as ferritin and hemosiderin. Supplementation of iron is done in swine due to their high requirement and low concentration in the diet and milk. Deficiency in iron results to hypochromic-microcytic anemia. Anemic pigs show poor growth, listlessness, rough haircoats, wrinkled skin, paleness of mucous membranes, and susceptibility to infectious diseases (NRC, 1998).

**IRON CHELATE** \* is a 4th generation chelate\*\*, produced in a three stage chelation process utilizing final form amino acids as ligands, assuring complete chelation of iron ions, resulting to unequalled bioavailability, absorbability and stability

\*It is *non-buffering* to gastric pH, helping maintain optimum acidity for protein digestion and immune enhancement

\*It is *non-precipitative* in intestinal pH—does not form gut harmful "*magma*"

\*It is *non-reactive* to vitamins and other vital nutrients in the gut—resulting to unimpaired vitamin bioavailability

\*It is *independently absorbed* and is *not antagonized* by other minerals and substances

\*It is the *superior, high bioavailability* iron supplement for predictable and cost effective growth performance enhancement

\* As compared with inorganic metal salts

\*\* Should be differentiated with "*dry blends/complexes*", which are mere physical attachment of the amino acids with the metal (tends to separate into its component parts in acidic pH)



### CONTENTS

Iron amino acid chelate	30M µg ( bioavailable Fe)
(using 1, 2 or 3 of the amino acids glycine, cysteine, glutamic acid as Ligand/s)	
Carrier calcium carbonate <i>q.s. ad</i>	1 kg

### RECOMMENDED USE AND DOSAGE

*Creep & Pre-starter Ration:* 830-1000 grams/ton

*Starter to Finisher Ration:* 425-1000 grams/ton

*Gestating Ration:* 500-1000 grams/ton

*Lactating Ration:* 665-1000 grams/ton

PACKAGING 25 kg box

A Performance Enhancing Nutritional Product of:

**AGRIaccess**

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