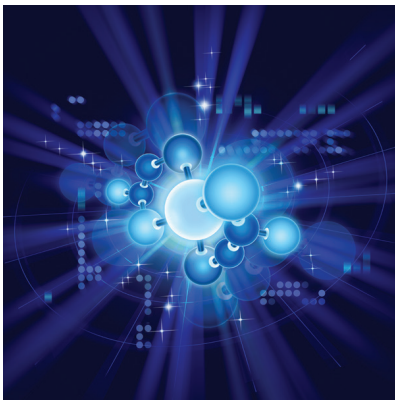
KeyShure®

Precision Release Minerals



KeyShure® *Precision Release Minerals and* **SoluKey™** *Water Soluble Precision Release Minerals* combine exceptional quality with fair pricing to provide the best price per unit of bioavailable nutrient delivered to the animal.

Product Specifications:

KeyShure® *Precision Release Minerals*

	Zinc	Copper	Manganese	Cobalt	Iron	Calcium	Magnesium	Potassium
KeyShure® **Zinc**	15%							
KeyShure® **Copper**		15%						
KeyShure® **Manganese**			15%					
KeyShure® **Cobalt**				10%				
KeyShure® **Iron**					15%			
KeyShure® **Calcium**						20%		
KeyShure® **Magnesium**							10%	
KeyPlex 842	8%	2%	4%					
KeyShure® Dairy	5.15%	1.8%	2.86%	0.18%				

SoluKey™ Water Soluble Precision Release Minerals

	Zinc	Copper	Manganese	Cobalt	Iron	Calcium	Magnesium	Potassium
SoluKey™ Zinc	15%							
SoluKey™ Copper		12%						
SoluKey™ Manganese			15%					
SoluKey™ Iron					15%			
SoluKey™ Magnesium							10%	

Application:

Chelated trace minerals for cattle, swine, poultry, aquaculture, and pet food.

Feeding Recommendations:

Balchem recommends replacing approximately 50% of the supplemental inorganic trace minerals required to meet National Research Council (NRC) recommended levels with KeyShure Precision Release Minerals.

It is very common for nutritionists to formulate diets with trace mineral levels in excess of the levels recommended by the NRC. This is often done to compensate for potential antagonists in feeds that can render trace minerals ineffective. However, feeding higher trace mineral levels can in itself negatively affect utilization. Higher trace mineral cost and increasing concern over trace mineral excretion into the environment make this strategy even less attractive. Feeding KeyShure *Precision Release Minerals* can help overcome the effects of antagonists, thus supporting optimum performance and decreasing mineral excretion into the environment.

Storage:

Store under dry conditions in unopened bags.

Packaging:

25 kg (55 lb.) poly-line bags

Shelf life:

Minimum five years, if kept dry in unopened bags

KEYSHURE® PRECISION RELEASE MINERALS

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Research:

Independent research studies confirm that KeyShure *Precision Release Minerals*:

- Are more bioavailable than inorganic trace minerals.
- Are more bioavailable than any other organic trace minerals.
- Provides superior performance in both monogastric and ruminant animals.

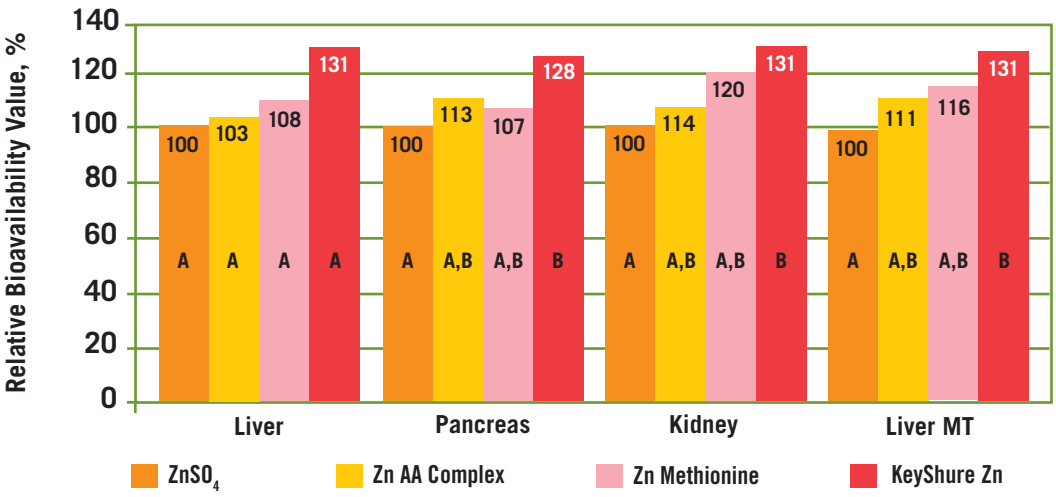
Benefits:

High bioavailability - Chelation maximizes bioavailability, establishing a protective chemical bond between a mineral and an appropriate organic compound. It is here, at the molecular level, that Balchem's technology makes the difference.

Excellent quality - Balchem uses scientific and manufacturing expertise to maximize the bioavailability of chelated mineral in our products. We keep it simple by focusing on the endpoint - binding minerals to high-quality, plant-protein-derived amino acids.

Exceptional value - As a major ingredient supplier, Balchem leverages its purchasing power and efficient manufacturing processes to provide no-frills, value- based pricing for an extremely high-quality product. The result is the lowest cost per unit of organically bound (chelated) mineral in the industry.

Bioavailability of different sources of zinc (lambs)



Cao et al., Journal of Animal Science 2000. 78:2039-2054

A, B: Bars with different letters had significantly different (P<.05) regression coefficients for determining RBV.

Balchem

For more than 50 years, Balchem has perfected the art of delivering nutrients to specific locations under many different environmental conditions. Today Balchem's technologies protect more than 140 different products across human, animal and industrial applications. Protect your entire nutrient investment with Balchem.

balchem®

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