

Optimin®

Organic trace minerals

Trace minerals are essential to maintain fertility, health and immunity. Optimin® organic minerals are protected and easily absorbed, minimising risk of malnutrition. Optimin supports the animal to have an optimal mineral status contributing to health and improved performance. A good quality trace mineral source with superior bioavailability can reduce variability in the herd leading to better overall profits.

The nutritional success of any trace mineral depends on its ability to be absorbed in the small intestine.

This is related to the capacity of the ligand to hold onto the metal and help it survive the environment of the gastrointestinal tract until its absorption.

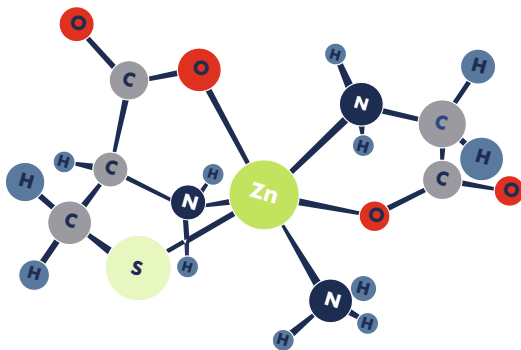
Optimin organic trace minerals have been specially formulated to have excellent bioavailability.

Optimin has high bond stability, allowing it to maintain its structure under acidic conditions, such as is typical in the stomach.

How does it work?

When supplying trace minerals, it is essential that the bond to the ligand has optimal strength.

1. The trace mineral-ligand bond(s) need to be strong and stable enough to survive passage through to the small intestine for absorption into the blood stream.
2. The bond must not be so strong as to prevent mineral transporters from facilitating absorption into the bloodstream.



Types of trace mineral bonds

Trace minerals are often described as organic or inorganic.



Optimin ← stronger bonds and are more stable than complexes

bonds too weak
disassociate in stomach

bonds too strong
transporters cannot cleave



Full range of high quality organic trace minerals

- Optimin® is a full range of product line developed and marketed by animal nutrition specialists.
- Optimin chelates are produced using natural ingredients in a dedicated facility with food-grade standards.
- FAMI-QS & GMP+ certified quality controls ensure quality, safety, performance and traceability for Optimin users worldwide.



Benefits of Optimin minerals in ruminants

- Fertility & reproductive performance
- Udder health (reduced milk SCC)
- Hoof integrity

Why Optimins work?

- Superior Bioavailability
- High bond strength & stability across wide range of pH - more mineral available for absorption
- Designed to minimise the effect of antagonists

Product name	Technology	Mineral content
Optimin® Zn	Chelate	15%
Optimin Cu	Chelate	15%
Optimin Mn	Chelate	15%
Optimin Fe	Chelate	15 %
Optimin Co	Chelate	10 %
Optimin ZMC	Chelate blend	8 % - 4 % - 2 %

GET ALL THE DETAILS
Contact your local representative

Ask your Trouw Nutrition representative how **Optimin** can support your needs.

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