



# IntelliBond® Broiler

## Smart minerals, Smart nutrition, Smart decision

IntelliBond is the original and most researched hydroxy trace mineral that takes mineral nutrition to the highest standard. IntelliBond supports both optimized bioavailability and economics.

**Selko® IntelliBond® trace minerals meet the highest quality standards available in the poultry industry today**



This results in significant reductions in the oxidation of essential nutrients in the feed such as vitamins and fats.



IntelliBond's low hygroscopicity enhances the stability of premixes compared to sulphate sources.



This ensures the nutrients you have paid for are available to the bird and can support efficient production and healthy growth.

IntelliBond has a fully defined crystalline structure with high metal potency embodied in OptiSize particle. The molecular structure releases the metal slowly into the solution under less than a pH of 4 and it will be very stable above a pH of 4.

This structure allows significantly greater amounts of trace metal to be delivered to the intestinal tract for absorption, supporting animal performance and well-being.

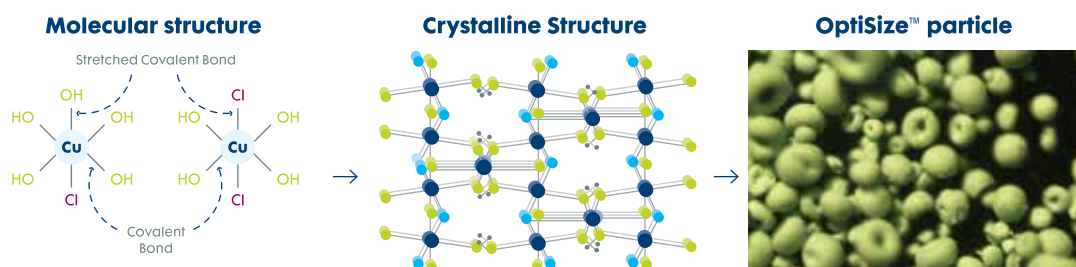


Figure 1. A diagram illustrating the crystalline structure of IntelliBond®. C. stretched covalent bonds are within the sub units, which together make the crystals.

Our Distributor in Bangladesh

**AVON**  
animal health

 **trouw nutrition**  
a Nutreco company

## 5 trials

India, EU and Australia

## Nutritional level benefits in Broilers: Improve feed efficiency and carcass quality



Combination of IntelliBond C + IntelliBond Z + IntelliBond M vs. Inorganic treatments.

3888  
broilers



10  
Treatment  
comparisons

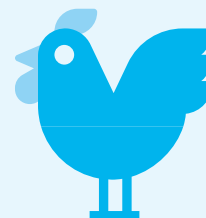


Feed conversion ratio **-1.28%**  
Body weight gain **+2.19%**  
Final Body Weight **+1.84%**  
Average Daily  
Feed intake **+1.30%**

Zinc Liver content **+10.3%**  
Villi: Crypt Ratio **+22.8%**  
Footpath lesions **-3.30 / 3.5 scale points (scale 1-7)**  
Caecal *E.coli* population **-3.44%**

4-5:1

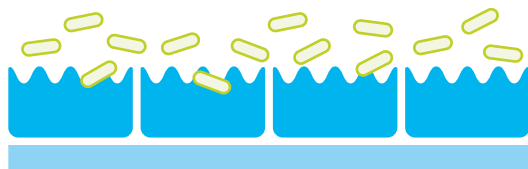
Return On  
Investment



## High level copper benefits in Broilers

Feeding high levels of copper can help to support growth performance by:

- **Helping to reduce disease challenge**  
Feeding high levels may help to prevent the overgrowth of multiple pathogens, which can occur during a gut health challenge.
- **Nutrient sparing effect, e.g. amino acid: and vitamin:**  
By reducing the number of microflora present in the hind gut, more nutrients are now available to the bird to support improved productivity.



## Selko® IntelliBond® portfolio

IntelliBond represents the latest trace mineral technology.

IntelliBond offers the purest source of copper, zinc and manganese available to the industry today via:

- IntelliBond C (Copper hydroxychloride) - 54%
- IntelliBond Z (Zinc hydroxychloride) - 55%
- IntelliBond M (Manganese hydroxychloride) - 44%

## IntelliBond®, improving feed conversion ratio

Multiple university and Institute trials have shown an Improvement in feed conversion ratio in broilers when using IntelliBond C vs copper sulphate.

Research location	IntelliBond C FCR Improvement
University of Florida	2.5pts
PARC Institute	5.2pts
PARC Institute	5.0 pts
Foster farms	4.0 pts
Purdue University	9.0 pts
UC Davis	5.0 pts
AH Pharma	3.0 pts
Southern Poultry	3.5 pts
AH Pharma	5.0 pts
AH Pharma	3.0 pts
U Maryland/USDA	8.5 pts
Southern Poultry	5.8 pts
Texas A & M University	7.6 pts
<b>Average increase in FCR Improvement using IntelliBond C vs CuSO<sub>4</sub></b>	<b>5.2pts</b>

**Table 1.** Improvement in feed conversion ratio (FCR) in birds when using IntelliBond® C vs copper sulphate.

FAMIQS



Our numerous food safety and quality certifications mean sellers and users from around the world can be confident when they turn to IntelliBond trace minerals.

**Disclaimer:** the information in this document is believed to be correct as of the date issued. Given the variety of factors that can affect the use of a selko product the user is responsible for determining whether the selko product and dosage is fit for a particular purpose and suitable for the user's method of use. Selko B.V. or any of its affiliates makes no warranties, including but not limited to warranty of merchantability or fitness for a particular purpose. Product labelling and associated claims may differ based on government requirements. All quotations, orders, confirmations and transactions are subject to our general conditions of sale ([www.nutreco.com](http://www.nutreco.com)). The applicability of any other terms and conditions is explicitly rejected. Trouw Nutrition. The trademarks shown in this document are registered in the Netherlands, The USA and other countries. These trademarks are owned by Selko B.V. or Micronutrients USA LLC or Trouw international B.V. IntelliBond products are registered as Selko IntelliBond in the Netherlands and other countries.

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