

MiaTrace Zn

There is no need to overzinc



The art of mixture.



MiaTrace Zn

There is no need to overzinc

right place

right time

right amount

Did you know that ...

Zinc is a trace mineral essential in many metabolic processes. Almost every signaling and metabolic pathway is dependent on one or more zinc-requiring proteins. It is also involved in gene expression, appetite control and fat absorption. Zinc also plays an important role in the development of skin, feathers, eggshell and bones. It is essential for reproduction and is part of some antioxidant enzymes like superoxide dismutase.

What is MiaTrace Zn?

MiaTrace Zn is a protected zinc source. The unique coating technology allows the product to pass the upper intestinal tract without being modified by hydrochloric acid. When the protected particles of MiaTrace Zn arrive to the lower intestinal tract, zinc is targetly released.

Why using MiaTrace Zn in poultry?

- Higher levels of available zinc
- Better performance
- Lower zinc excretion

MiaTrace Zn, targeted application of zinc ions

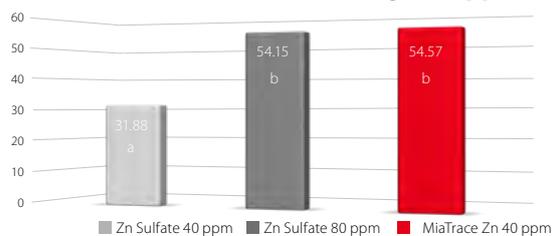
- right **place** → only in the intestine
- right **time** → time-delayed release
- right **amount** → free zinc ions in the intestine



Trial design

3 groups: 8 replicates x 10 broiler chickens
 Zn Sulfate: 40 ppm
 Zn Sulfate: 80 ppm
 MiaTrace Zn: 40 ppm

Soluble zinc fraction of ileum digesta (ppm)



50% less zinc in feed, same level of available zinc

Body weight (g)

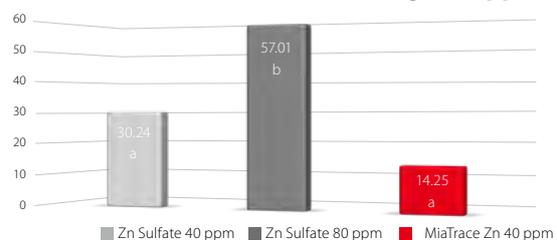
Days	0	14	28	35
Zn sulfate 40 ppm	43.7	422	1421.1	2137.5
Zn sulfate 80 ppm	43.8	427.7	1424.8	2139.9
MiaTrace Zn 40 ppm	43.8	429.7	1445.3	2193.4

Feed conversion ratio:

Zn sulfate 40 ppm: 1.417 Kg
 Zn sulfate 80 ppm: 1.421 Kg
 MiaTrace Zn ppm: 1.388 Kg

Better feed conversion with MiaTrace Zn

Insoluble zinc fraction of ileum digesta (ppm)



Less undigestible Zn with MiaTrace Zn



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