



# POULSIL

the bio-active silicium  
for broilers

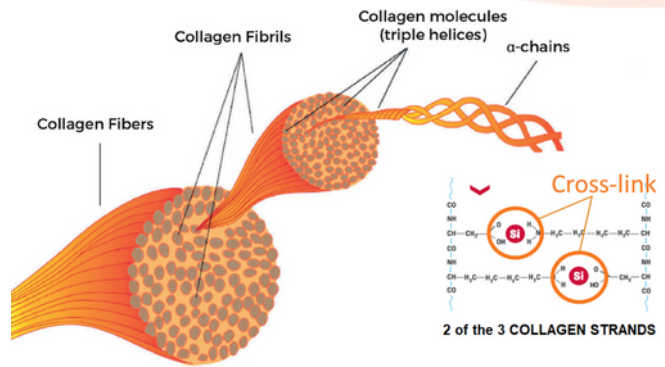


# The power of Si

Poulsil is a patented bioactive silicium (Si) that plays an essential part in collagen synthesis.

## Silicium (Silicon)

- The component mineral of collagen fibrils cross-linkages.
- Contributes to bone strength and elasticity of connective tissues.
- Essential mineral in collagen synthesis and bone mineralization.



## Different forms of Silicium

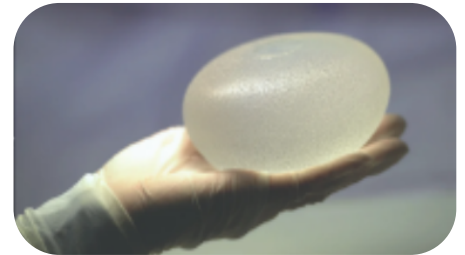


Chemical element



Chemical element

Silicium dioxide  
limited bio-availability in the environment  
(Beer, Cereals)



Synthetic form

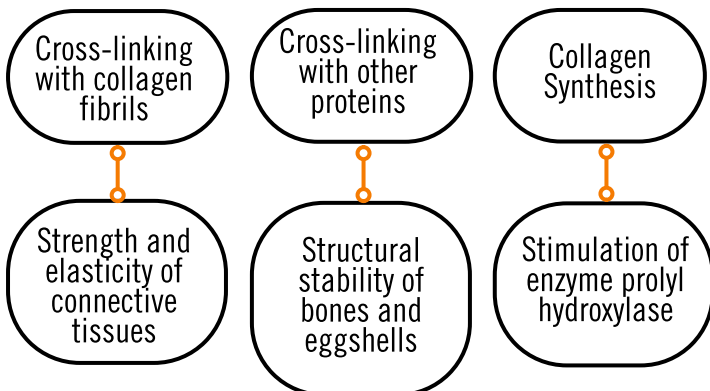
### Modified Silicium dioxide (Poulsil)

Formulated to provide highly bio-available silicium

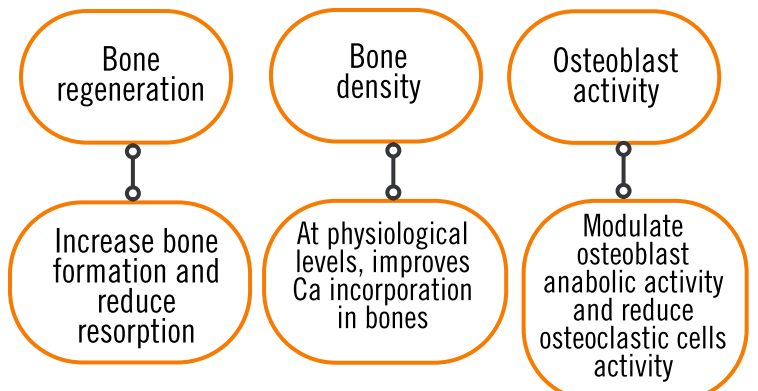


### Bioavailable silicium

## Si as a vital component of collagen

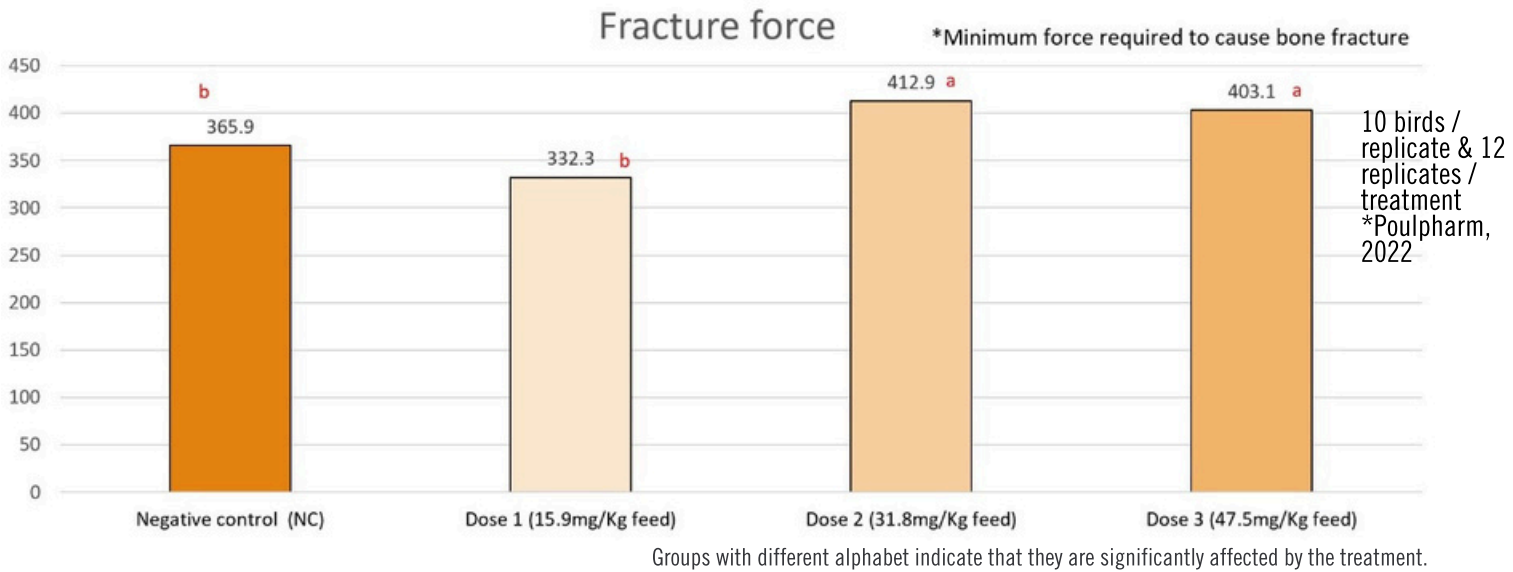


## Si in bone remodelling



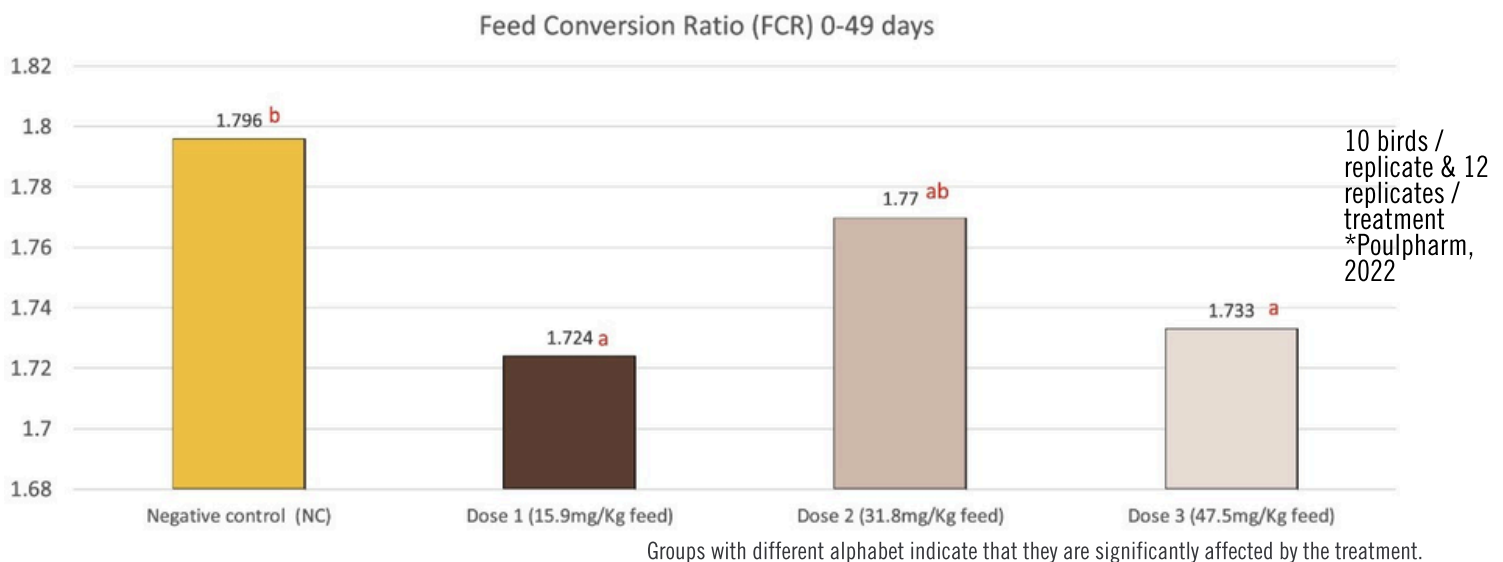
# BONE HEALTH TRIAL - Bone strength

## Fracture force



Significant improvement in fracture force suggests greater bone strength with Poulsil® supplementation.

## PERFORMANCE TRIAL

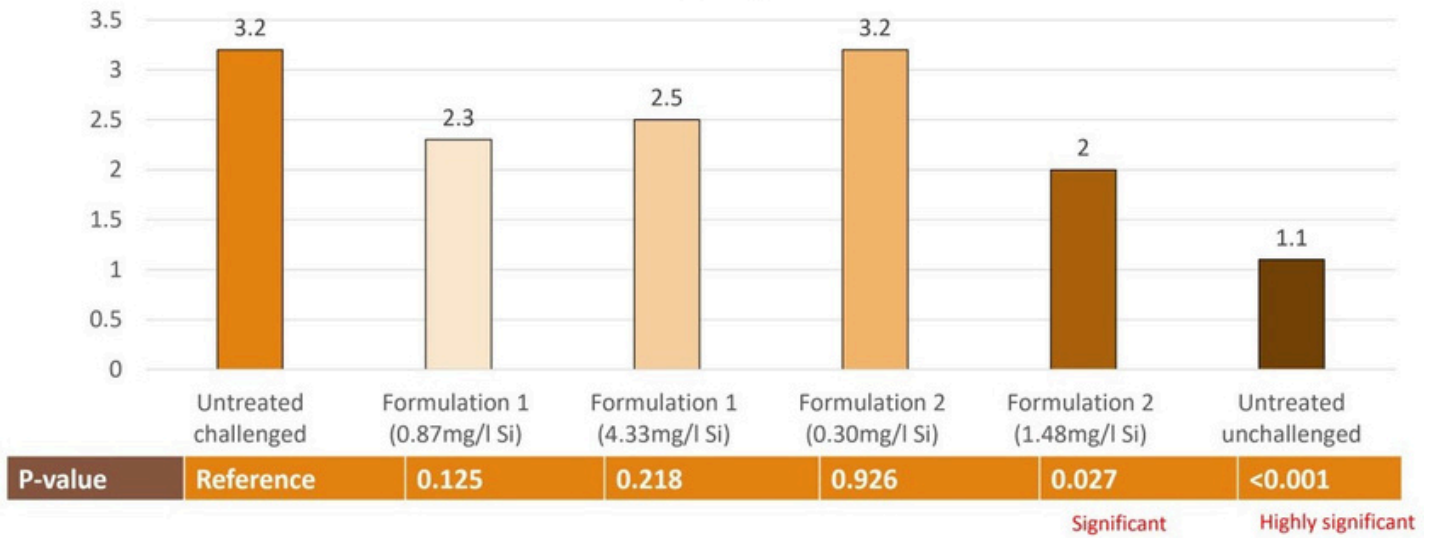


Significant improvement in feed conversion ratio suggests better performance with Poulsil® supplementation.



# WELFARE TRIAL

Mean resting behaviour



Significant improvement in mean resting behavior indicates a better welfare status in birds after Poulsil® supplementation

Mean resting behavior was measured after inducing gouty arthritis by intra-articular injection of sodium urate. It was measured by counting the number of birds with eyes closed at 12 different times, with a 10-minute interval. There were 8 birds per replicate and 3 replicates per treatment.

## MANUFACTURER:



## DISTRIBUTOR:



Application (Broiler, Breeder, Layer & Turkey)

Recommended dosage : 150g/ton

(21.4 mg Si /Kg of feed)



## CONTACT

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