

Oral Liquid

VITAL FRAME[®]

Bone Strengthenener

Composition

Each 1000ml contains:

Calcium Chloride		8%
Phosphorus (Mineral)		15%
Vitamin D3		500000IU
Vitamin E		4%
Selenium		100mg
Phytase		5000 IU/ml
Zinc		800mg
Magnesium Chloride		1%
Biotin		600mg

FOR VETERINARY USE ONLY

صرف حیوانوں کے استعمال کے لیے



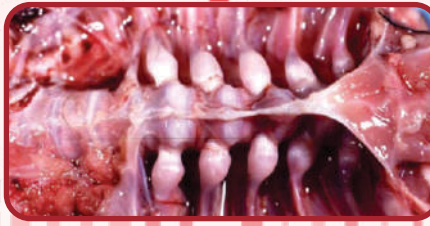
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Life Care

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Information About PHYTASE

Phytases are widely distributed in microbial, plants and animals. Supplementations of phytase into the diets of poultry have great impact to the improvement of poultry immune systems and increase bird weight. In addition to that, phytase are able to improve both quantity and quality of eggs, egg mass, eggshell quality and also effective on bone strength.

Role of Phytase and Phosphorus in Poultry Nutrition

Phytase Enzyme that specifically acts on phytate, breaking it down to release phosphorus in a form available to the birds.

Phytase supplementation has been proven effective in bone mineralization and growth performance in broiler diets.

Phosphorus is a key element in the animal cell biochemical reactions and bone mineralization.

(Scholey et al., 2018)

Effect of Phytase on Nutrient Utilization and Performance

Multiple researches reported that supplementation of phytases improves the performance and absorption of phosphate, calcium, magnesium, and zinc which comes from diet. Poultry fed phytase had higher digestibility for Val, Ile, nonessential amino acid and total amino acid. Transgenic corn derived phytase (TCDP) improve laying performance and ileal Phosphorus and Calcium utilization in laying hens (breeder and layer) and also significant in skeleton development in broiler.

(Gao et al., 2023)
(Viveros et al., 2022)

Studies on Phytase Benefits

Indication:

- Rickettsia in chicks (early age).
- Osteomalacia in birds (adult birds including broiler layer, broiler breeder and layer breeder).
- All kinds of hairline cracks in eggs of commercial layers and breeders.
- Weak bone shell and joints due to low stock density in broiler and cage system in layer and breeder.

Benefits:

- **Vital Frame** increase presence of Vitamin E, D3, boosts immunity and eggshell quality.
- **Vital Frame** not only reduces lameness but also increases the phosphorus absorption due to the presence of phytase enzyme.
- **Vital Frame** increases the egg shell thickness and also increase the bone matrix ratio of the birds.
- **Vital Frame** increases Zinc + $MgCl_2$, collaboratively supporting immune function, wound healing and bone health.
- **Vital Frame** helps improve the Feed Conversion Ratio (FCR) and helps in longevity of the birds.



Packings:
5 Liters

Dosage:
1ml in 2-3 Liters of
Drinking Water

Marketed by:



Shah Rukn-e-Alam
Multan- Pakistan



Plot # A2, Phase-1A, M3 Sahianwala Interchange,
Faisalabad Industrial Estate, Development &
Management Company (FIEDMC) Faisalabad.

www.merlinlifecare.com

علامات

- ◀ **وائٹل فریم** پرندوں میں لنگڑے پن کے عمل کو دور کرتا ہے۔
- ◀ **وائٹل فریم** پرندوں میں ایک دوسرے کو چونچ سے کاٹنے کے عمل کو دور کرتا ہے۔
- ◀ **وائٹل فریم** پرندوں کے پٹھوں اور جوڑوں کو مضبوط بناتا ہے۔
- ◀ **وائٹل فریم** کے استعمال سے ہڈیاں زیادہ توانا ہوتی ہیں اور جسم کی مجموعی صحت اور توانائی کو فروغ ملتا ہے۔
- ◀ **وائٹل فریم** میں موجود کیمیشیم کلورائیڈ اور فاسفورس ہڈیوں کی بناوٹ اور انڈوں کے چھلکوں کی مضبوطی کو بہتر بنانے میں کردار ادا کرتے ہیں، جبکہ وٹامین ڈی-3 کیمیشیم کے بہتر انجذاب کو یقینی بنا کر اس عمل کو مزید موثر بناتا ہے۔

FOR VETERINARY USE ONLY

صرف جانوروں کے استعمال کے لیے