DOVOZYME PHY

Phytase enzymes cleave phosphorus and the associated bound nutrients from the phytate molecule reducing its anti-nutrient effects. Dovozyme PHY is the high-tech product which designed through bioinformatics, DNA shuffling, high-throughput screening, liquid fermentation and dosage preparation technologies.

CHARACTERISTICS

- **Heat-stability test:** Depending on the excellent heat-stability performance, there was no loss of Dovozyme PHY relative activity after 5min water bath at 75°C-80°C.
- **Heat-stability after pelleting:** After feed conditioning and pelleting, the Dovozyme PHY activity retention rate were maintained between 82% to 98%.
- **Wide range of pH adaptability and stability:** Dovozyme PHY has wide range of pH adaptability from pH 2 to 12 and insure its enzymolysis in monogastric animals. The optimum pH for reaction is pH 3 to 5.5.
- **The tolerance to protease and metal ion:** The enzyme retention rate was 96.7% and 98.8% when Dovozyme PHY were treated with pepsase and trypsin for 120 min, respectively.
- **High enzymolysis efficiency to different substrate:** The efficiency of phytate phosphorus which released from DDGS, corn, wheat and soybean meal were up to 70% when treating with Dovozyme PHY for 4 hours at 37°C and pH 5.5.
- **Uniformity Distribution:** Enzyme and carriers are mixed, and spray dried to be mini-granular product by special dosage preparation technology to make sure its mobility and stability.

BENEFITS

Feed cost savings
- Reductions in dietary inorganic phosphate, energy and amino acids
- Fast and efficient breakdown of dietary phytate
- Increased nutrient availability from phytate

Production benefit
- Body weight gain and FCR benefits
- Efficient removal of phytate anti-nutrient effects at low pH
- Release of nutrients from phytate improves energy and amino acid availability

Improved environment
- Reduced phosphorus excretion

DOSAGE RECOMMENDATION

PRODUCT	ACTIVITY(U/GM)	DOSAGE(G/T)
DOVOZYME PHY	10000	50-100

PACKAGING

20 kg paper drum with polyethylene inner bag.