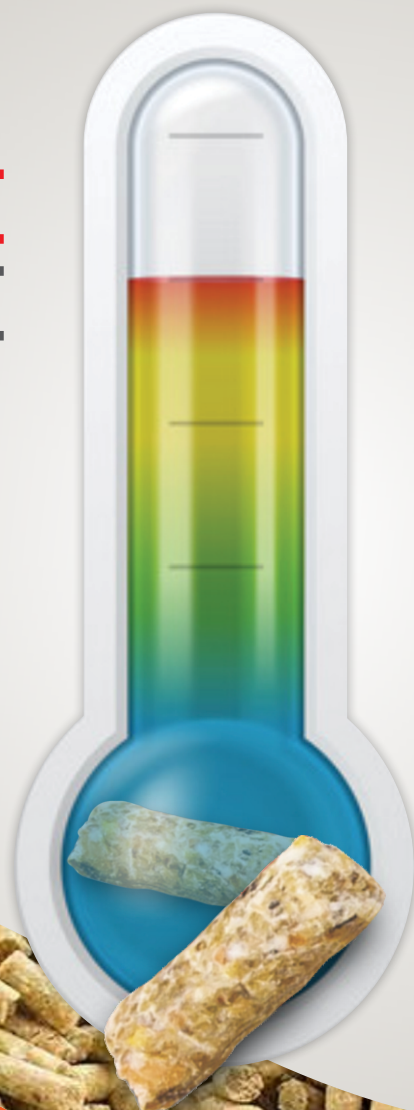


AN **IDEAL**  
**THERMOSTABLE**  
PHYTASE



**KEMZYME<sup>®</sup> PGT**



# KEMZYME® PGT

## AN IDEAL THERMOSTABLE PHYTASE

### ROLE OF PHYTASE IN POULTRY

Phytic acid is an indigestible organic form of phosphorous that is found in grains and oil seeds. Phytase enzyme is required for hydrolysis of phytic acid into usable form of inorganic phosphorous. Monogastric animals do not produce any phytase thus inorganic phosphorous sources are used to enhance nutritive value of grains and oilseeds. Deficiency of phosphorus hampers efficient growth and welfare of poultry.

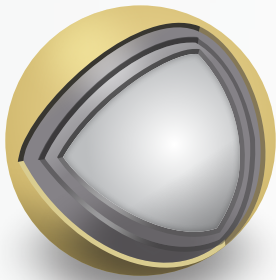
### KEMZYME® PGT

**KEMZYME® PGT** dry, a granulated bacterial 6 phytase with special coating for thermal resistance. **KEMZYME® PGT** has two distinguish properties of thermostability and activity at right pH. **KEMZYME® PGT** helps in breaking down indigestible phytic acid (phytate) in grains & oil seeds thus increasing phosphorous availability in diet

### IDEAL THERMOSTABLE PHYTASE

The efficiency of phytase as feed additive gets affected due to heat (>80°C) associated with pelleting. Enzymes are destroyed during pelleting so phytase stability in pellet feed is crucial. **KEMZYME® PGT** is a thermostable product with 90% recovery in pellet feed. Multi-layer coat gives thermostability & uniform size to **KEMZYME® PGT**.

### KEMZYME® PGT STRUCTURE

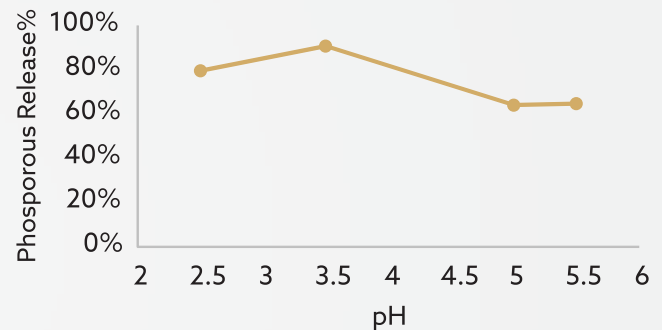


- Core
- Phytase stabilizing reagent
- Heat insulation layer
- Hydrophobic layer

### ACT AT RIGHT pH

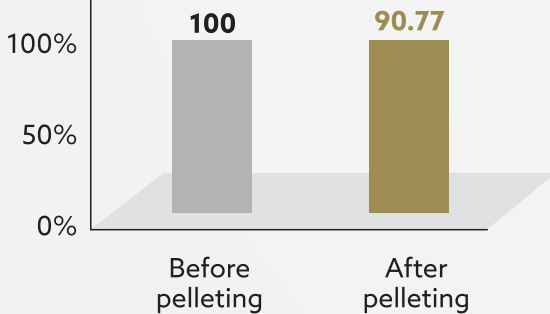
**KEMZYME® PGT** dry has optimum pH range to release phosphorous in gizzard to facilitate better absorption in later part of small intestine

#### KEMZYME® PGT ACTIVITY IN DIFFERENT pH



(Kemin internal data- 07-00131)

#### % PHYTASE RECOVERY



(Kemin internal data- 08-00023)

**AVAILABLE PACK SIZE :  
25 KG BAGS**

### KEMZYME® PGT - POTENTIAL MARIX VALUES

Broilers @ 100gm /MT	
Available Phosphorus (%)	1,300
Calcium (%)	1,000
Crude Protein (%)#	2,200
Energy (Kcal/kg Feed)#	300,000

### INCLUSION RATES OF KEMZYME® PGT

Bird Type	Gm/MT	%	Phytase Units/kg Feed
Broilers	100	0.01	500

# KEMIN®

Kemin Industries South Asia Pvt. Ltd.  
#C-3, 1st Street, Ambattur Industrial Estate,  
Chennai-600 058, Tamil Nadu, India,  
Tel: 044 42202800,  
Email: mail.india@kemin.com  
Web: www.kemin.com



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