

PRODUCT DESCRIPTION - PD 231140-1.2EN

Phyzyme® XP 10000 TPT

Feed enzyme system

Application

Phyzyme® XP 10000 TPT is a phytase feed enzyme specifically developed to increase the digestibility of phytin-bound phosphorus, calcium, energy and amino acids in poultry and pig diets.

Usage levels

Use at a rate of 0.05 - 0.20 lbs/short ton (US) or 0.025-0.1 kg/tonne (0.0025-0.01%) of finished feed, or as defined by the Phycheck™ dose optimisation service, included via a premix.

Processing stability

For optimum bioefficacy, do not exceed conditioning and pelleting temperatures of 95°C (203°F).

Composition

Dried Schizosaccharomyces pombe fermentation product

Sodium sulphate

Poly-vinyl alcohol (PVA)

Starch

Hydrated magnesium silicate

Guaranteed minimum activity:

6-phytase (EC 3.1.3.26) 10000 FTU/g

Analysis methods detailing assay conditions are available upon request.

Properties

Phyzyme® XP 10000 TPT is supplied as an off-white to light tan, fine granular product as follows:

Typical particle size based on sieve fineness:

Micrometers	Approx %
< 200	0.1
200 to 500	65
500 to 800	30
800 to 1180	4.9
>1180	0

Particle size distribution studies by Method DIN 53734 indicate absence of particles less than 10 micrometers.

Phyzyme® XP 10000 TPT is sieved to 1.2 mm prior to packaging.

Bulk density	1350 kg/m ³
Moisture content	Maximum 2 %

Physical/chemical specifications

Phyzyme® XP 10000 TPT is produced in accordance with FAO/WHO JECFA and FCC recommendations as follows:

Lead	< 5 ppm
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Microbiological specifications

Phyzyme® XP 10000 TPT is produced in accordance with FAO/WHO JECFA and FCC recommendations as follows:

Aflatoxins	Negative by test
Antibiotic activity	Negative by test
Salmonella/25g	Negative by test
E.coli/25g	Negative by test
Coliforms	< 30 CFUs/g

There are no producing micro-organisms in the final product. None of the ingredients is of animal origin.

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Storage

Store in dry conditions. The constituent enzyme activities remain stable for at least 12 months when stored in original packaging at <20°C (<68°F) and 4 months when included in a vitamin/mineral premix and stored at <20°C (<68°F).

Packaging

Phyzyme® XP 10000 TPT is available in 25kg multi-wall polyethylene lined paper bags and in 500kg bulk (tote) bags.

Safety and handling

Provide for good ventilation and avoid dust formation. It is recommended to use protective glasses, respiratory mask and gloves during handling. In case of accidental contact with skin or eyes, the only action needed is copious flushing with water. See the Material Safety Data Sheet for further information.

Additional information

For further information please contact:

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