

PRODUCT DESCRIPTION - PD 241575-4.0EN

Axtra® PHY 10000 TPT

Feed enzyme system

Application

Organic phosphorous present in grains and soybeans is bound to phytic acid (phytin), which also complexes with other dietary components such as calcium, starch, and protein.

Axtra® PHY 10000 TPT is a phytase feed enzyme system specifically developed to increase the digestibility of phytin-bound phosphorus in pig and poultry diets.

Usage levels

For poultry diets: Use at a rate of 0.05 - 0.4 lbs/short ton (US) or 0.025-0.2 kg/tonne (0.0025-0.02%) of finished feed, included either directly or via a premix.

For pig diets: Use at a rate of 0.05 - 0.4 lbs/short ton (US) or 0.025-0.2 kg/tonne (0.0025-0.02%) of finished feed, included either directly or via a premix.

Processing stability

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

Composition

Dried *Trichoderma reesei* fermentation product
Sodium sulphate
Starch
Hydrated magnesium silicate
Sucrose
Poly-vinyl alcohol (PVA)
Vegetable oil
Phytic acid

Guaranteed minimum activity:

6-phytase (EC 3.1.3.26) 10000 FTU/g

Analysis methods detailing assay conditions are available upon request.

Properties

Axtra® PHY 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.

Axtra® PHY 10000 TPT is sieved to 1.2 mm prior to packaging.

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

Physical/chemical specifications

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

Lead	< 5 ppm
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Microbiological specifications

Axtra® PHY 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 9 months when stored in original packaging at <25°C (<77°F) and at least 4 months when included in a vitamin/mineral premix or feed and stored at <25°C (<77°F).

Packaging

Axtra® PHY 10000 TPT is available in 25kg multi-wall polyethylene lined paper bags and in 1000kg 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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