

product description

Porzyme[®] tp100 (HP)

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For young pigs, from weaning to 30kg weight, fed diets containing vegetable protein and based on corn, broken rice, wheat or sorghum or a combination of these grains and their by-products

Rate of use:

1 kg/tonne (0.1%) of finished feed, included either directly or via a premix.

Guaranteed minimum activity:

150 U/g endo-1,3(4)-beta-glucanase EC 3.2.1.6; 4000 U/g endo-1,4-beta-xylanase EC 3.2.1.8; 1000 U/g alpha-amylase EC 3.2.1.1; 500 U/g subtilisin (protease) EC 3.4.21.62. Analysis methods detailing assay conditions are available upon request.

Processing stability:

The feed enzyme system is adsorbed onto a specially prepared wheat carrier using a patented process, which ensures stability during pelleting. For optimum bioefficacy, do not exceed conditioning and pelleting temperatures of 85°C (185°F).

Storage stability:

Store in dry conditions. The constituent enzyme activities remain stable for at least 12 months when stored in original packaging at <22°C and 3 months when included in a vitamin/mineral premix or feed and stored at <22°C.

Ingredients:

Dried *Bacillus subtilis* fermentation product, dried *Bacillus amyloliquifaciens* fermentation product, dried *Trichoderma longibrachiatum* fermentation product, wheat flour, calcium propionate (preservative).

Characteristics:

Porzyme tp100 (HP) is supplied as yellow/brown powder with the following characteristics:-

Particle size based on sieve fineness

	Approx %	
> 1400 micrometers	8	Bulk density - 650 kg/m ³
<1400 to > 125 micrometers	86	
< 125 micrometers	6	Moisture content - Maximum 12%

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

Safety and purity:

Porzyme tp100 (HP) contains enzymes produced by strains of *Trichoderma* and *Bacillus*. Enzymes are produced in accordance with FAO/WHO, JECFA and FCC recommendations as follows:

Heavy metals	< 40 ppm	Aflatoxins	Negative by test
Lead	< 10 ppm	Antibiotic activity	Negative by test
Arsenic	< 3 ppm	Salmonella/25g	Negative by test
Cadmium	< 0.5 ppm	E. coli/25g	Negative by test
Mercury	< 0.5 ppm		

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

Package sizes:

Porzyme tp100 (HP) is available in 25 kg multi-wall paper bags and in 1000 kg bulk (tote) bags.

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.

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