

PRODUCT DESCRIPTION - PD 227418-4.0EN

Danisco Xylanase 40000 G

EC Registration Number 4a11

Application

Danisco Xylanase 40000 G is a feed enzyme system specifically developed to improve the nutritional value of monogastric diets.

Usage levels

Chickens for fattening: For use in compound feed. Use at a rate of 0.016-0.0625 kg/tonne (0.0016-0.00625%) of complete feed, or as recommended by the Avicheck™ dose optimisation service, included via a premix.

Laying hens: For use in compound feed. Use at a rate of 0.016-0.0625 kg/tonne (0.0016-0.00625%) of complete feed, included via a premix.

Ducks: For use in compound feed. Use at a rate of 0.016-0.0625 kg/tonne (0.0016-0.00625%) of complete feed, included via a premix.

Turkeys for fattening: For use in compound feed. Use at a rate of 0.03125-0.0625 kg/tonne (0.003125-0.00625%) of complete feed, included via a premix.

For all other poultry minor species: For use in compound feed. Use at a rate of 0.016-0.0625 kg/tonne (0.0016-0.00625%) of complete feed, included via a premix.

Pigs for fattening: For use in compound feed. Use at a rate of 0.05-0.1 kg/tonne (0.005-0.01%) of complete feed, included via a premix.

Piglets (weaned): For use in compound feed. Use at a rate of 0.05-0.1 kg/tonne (0.005-0.01%) of complete feed, included via a premix.

Processing stability

Studies have shown that the product retains its efficacy in the target animal when present in feed that has been conditioned and pelleted up to 90°C (194°F).

Composition

Dried *Trichoderma reesei* fermentation product
Wheat flour
Calcium propionate (preservative)

Guaranteed minimum activity:

endo-1,4-beta-xylanase 40000 U/g
(EC 3.2.1.8)

Analysis methods detailing assay conditions are available upon request.

Properties

Danisco Xylanase 40000 G is supplied as a light brown, fine granular product as follows:

Typical particle size based on sieve fineness:

Micrometers	Approx %
>1400	2
<1400 to >125	85
<125	13

Particle size distribution studies by Method DIN 53734 indicate absence of particles less than 10 micrometers. Danisco Xylanase 40000 G is sieved to 2 mm prior to packaging.

Bulk density	650 kg/m ³
Moisture content	Maximum 11 %

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Physical/chemical specifications

The wheat flour carrier has the following characteristics:

Moisture	Max. 14 %
Specific weight	Min. 0.75 kg/l
Foreign seeds	Max. 1 % (Galium max 0.5%)

Enzymes are produced in accordance with FAO/WHO JECFA and FCC recommendations as follows:

Lead	< 5 ppm
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Microbiological specifications

The wheat flour carrier is purchased according to the following microbiological specification:

Salmonella/25g	Negative by test
E.coli/25g	< 10 CFUs/g
Coliforms	< 100 CFUs/g
Total viable count	< 1000000 CFUs/g

Enzymes are 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.

Danisco Xylanase 40000 G is produced according to the following specification:

Salmonella/25g	Negative by test
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Storage

Store in dry conditions. The constituent enzyme activities remain stable for at least 15 months when stored in original packaging at <20°C (<68°F) and 6 months when included in a vitamin/mineral premix and stored at <20°C (<68°F).

Packaging

Danisco Xylanase 40000 G 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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