

ECONASE[®] XT 25

Description and Specification

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Rev. No. 3

Description

ECONASE[®] XT 25 is an enzyme preparation produced using a strain of *Trichoderma reesei*. Its main activity is a thermostable endo-xylanase.

- IUB-No.: 3.2.1.8
- EINECS-No.: 232-800-2
- CAS-No.: 9025-57-4

Properties

The product has the following characteristics:

- a) light brown powder

Activity

ECONASE[®] XT 25 contains a declared minimum xylanase activity of:
160 000 BXU/g

The xylanase units (BXU) are determined on birch xylan substrate at 50°C and pH 5.3. Detailed description of the method is available on request.

Application

ECONASE[®] XT 25 is recommended to be used in animal feeds based e.g. on maize, wheat, triticale or rye.

ECONASE[®] XT 25 assists the digestive system of monogastric animals by breaking down pentosans (mainly arabinoxylan) and other fibre-fractions present in cereal grains.

The use of ECONASE XT 25 leads to the following benefits:

- flexibility in diet formulation
- improved nutrient digestibility, weight gain and feed efficiency
- reduced frequency of sticky droppings
- reduced amount of manure

ECONASE[®] XT 25 xylanase excellent withstands pelleting even at 95°C.

Dosage

A typical use rate of ECONASE[®] XT 25 depending on the diet composition is:
38 - 150 g/t of feed.

Please take national regulations for feed enzymes into consideration.

Specification

Endo-xylanase activity	160.000 BXU/g minimum
Bulk density	≈ 0.75 kg/dm ³
Heavy metals (as Pb)	< 30 mg/kg
Lead	< 2 mg/kg
Arsenic	< 3 mg/kg
Total viable count	< 5 x 10 ⁴ /g (LMBG §35 L 01.00-5)
Coliforms	< 30/g (LMBG §35 L 01.00-2)
E. coli	< 1/g (LMBG §35 L 01.00-25)
Salmonella	not detected in 25 g (LMBG §35 L 00.00-20)

Storage

If stored in a dry place at room temperature (23°C) the activity loss will be less than 10 % within one year.

Handling

Avoid the formation of dust of the product. Repeated inhalation of enzyme dust may cause sensitisation and may cause allergic type reactions in sensitised individuals. For detailed information please refer to the Material Safety Data Sheet (MSDS).