Natugrain® Wheat TS

Chemical name(s) of active ingredient

Endo-1,4-beta-xylanase (EC 3.2.1.8), produced by *Aspergillus niger*

PRD

30269735

Article

52569309	20 kg bag in box

Specification

Content	min. 5,600 TXU*/g

* TXU = Thermostable endo-xylanase unit

Other chemical and physical data

Formulation	powder
Bulk density	approx 0.35 g/cm^3

This product has excellent flow properties and is free of dust.

Stability and storage

The product should be stored in a cool and dry place (below 20 °C). In unopened original packaging, the product can be kept for 12 months.

Application

Natugrain® Wheat TS has been developed especially for poultry feed mixtures with a high content of wheat and wheat by-products, such as wheat bran, to achieve improved poultry performance through high biological effectiveness. Improvements can also be expected in diets containing rye, barley, and corn. The use of Natugrain® Wheat TS is recommended for non-pelleted compound feed, pelleted compound feed up to temperatures of 85 °C (185 °F), and for use in premix. Certain losses of activity due to choline chloride or inorganic trace elements might occur in exceptional cases.

Definition of activity

One thermostable endo-xylanase unit (TXU) is defined as the amount of enzyme, which liberates 5 micromole reducing sugars, measured as xylose equivalents per minute from a buffer solution containing 1 g arabinoxylan per 100 ml at pH 3.5 and 40 °C.

Dosage recommendations

Standard recommended dose rate is 560 TXU per kg* of complete compound feed for all pig and poultry as well as some fish species. For optimal economical use, however, in single cases lower or higher dosage rates might be considered in aspect to feed composition, quality of feed ingredients, animal species and feeding phase. For more detailed information please refer to "NSP-hydrolyzing enzymes" or contact a BASF representative.

* Especially with regard to minimum dose rate to be used and animal species approved national regulations may vary and need to be considered prior to products use. In case of doubts or need for more detailed recommendations please contact your local BASF representative.

Note

Enzymes are biologically active substances. The product should be processed with all due care and attention to occupational hygiene following the instructions in the safety data sheet.

For further information please visit BASF's Animal Nutrition Virtual Assistants[1] and Animal Nutrition website[2].

[1] https://animal-nutrition-virtual-assistants.basf.com/global/en/MyProductWorld
[2] https://nutrition.basf.com/global/en/animal-nutrition/our-products

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