

Natugrain® TS

Active ingredients

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

Endo-1,4-β-glucanase (EC 3.2.1.4), produced by *Aspergillus niger*

PRD-No.

30285907

Articles

53688722	20 kg cardboard box
53688775	350 kg big bag

Specification

Content	at least 5,600 TXU*/g at least 2,500 TGU*/g
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* TXU = Thermostable endo-xylanase unit

* TGU = Thermostable endo-glucanase unit

For further information see separate document: "Standard Specification (not for regulatory purposes)" available via BASF's WorldAccount: <https://worldaccount.basf.com> (registered access).

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

Under correct storage conditions (below room temperature, 20 °C, dry), the declared content in closed original packaging is guaranteed for 12 months after date of manufacturing.

Application

Natugrain TS has been developed especially for feed mixtures containing a high content of wheat, rye, and barley, to achieve improved bird and pig performance through high biological effectiveness.

The use of Natugrain TS is recommended for non-pelleted compound feed, pelleted compound feed up to temperatures at 85 °C, and for use in premix. Certain losses of activity due to choline chloride or 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 xylase equivalents per minute from a buffer solution containing 1 g arabinoxylan per 100 ml at pH 3.5 and 40 °C.

One thermostable endo-glucanase unit (TGU) is defined as the amount of enzyme which liberates 1 micromole reducing sugars, measured as glucose equivalents per minute from a buffer solution containing 0.714 g beta-glucan per 100 ml at pH 3.5 and 40 °C.

Dosage recommendation

Please refer to "Enzymes — NSP-hydrolyzing enzymes Natugrain."

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