

Natuphos® E 5000 Combi G

Active ingredients

Myo-inositol-hexakisphosphate
beta-phosphohydrolase (EC 3.1.3.26), produced
by *Aspergillus niger*
Endo-1,4-beta-xylanase (EC 3.2.1.8), produced
by *Aspergillus niger*
Endo-1,4-beta-glucanase (EC 3.2.1.4), produced
by *Aspergillus niger*

PRD-No.

30654484

Articles

50470843	20 kg bag in box
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Specification

Content	
- Phytase	min. 5,000 FTU/g
- Xylanase	min. 5,600 TXU/g
- Glucanase	min. 2,500 TGU/g

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	granulate
Bulk density	0.70 g/cm ³

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

Stability

The product should be stored in a cool and dry
place (below 20 °C). In unopened original pack-
aging, the product can be kept for 24 months.

Application

The use of Natuphos® E 5000 Combi G is re-
commended for pelleted feed "up to 95 °C (203 °F)
pelleting temperature and for use in premix.
At pelleting temperatures above 95 °C (203 °C), it
is recommended to test for phytase retention as
pelleting conditions vary greatly.

Definition of activity

One unit of phytase activity (FTU) is defined as the
amount of enzyme, which liberates 1 micromole of
inorganic phosphorus per minute from a solution of
0.0051 mol/l sodium phytate at pH 5.5 and 37 °C.

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.

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

For pigs, poultry and various aquaculture species
250/280/125 - 1000/1120/500 FTU//TXU/TGU
per kg* of complete compound feed.

* 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.

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