Natuphos® E 5000 G

Chemical name(s) of active ingredient

Myo-inositol-hexakisphosphate beta-phosphohydrolase (EC 3.1.3.26), produced by *Aspergillus niger*

PRD

30635079

Article

50430020	20 kg bag in box

Specification

Content	min. 5,000 FTU/g (phytase activity)

Other chemical and physical data

Formulation	granulate
Bulk density	approx. 0.65 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 24 months.

Application

The use of Natuphos® E 5000 G is recommended for pelleted feed up to 95 °C (203 °F) pelleting temperature and for use in premix. At pelleting temperatures above 90 °C (194 °F), 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.

Dosage recommendations

For pigs, poultry and various aquaculture species 100 - 2000 FTU/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.

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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