

Natuphos® E 25000 L

Active ingredient

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

PRD-No.

30598941

Articles

50477336 125 kg drum

50812051 1000 kg IBC

Specification

Content min. 25,000 FTU/g (phytase activity)

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	liquid
Density	1.10 – 1.20 g/cm ³ at 20 °C
Viscosity	approx. 20 mPa·s (at 0 °C) approx. 13 mPa·s (at 10 °C) approx. 8 mPa·s (at 20 °C) approx. 6 mPa·s (at 30 °C)
Solubility	infinitely miscible with water
Conductivity	918 µS/cm

Stability

The product should be stored in a cool and dry place (below 20 °C). In unopened original packaging, the product can be kept for 18 months.

Application

The use of Natuphos® E 25000 L is recommended for pelleted feed, especially if the pelleting temperature rises above 95 °C (204 °F) and/or in case of long-term conditioning. Product must be sprayed on cooled and sieved pellets using an appropriate application system.

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 recommendation

For pigs, poultry and various aquacultural 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.

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