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## PRODUCT SPECIFICATIONS SHEET

### Fungal Amylase

Fungal Amylase is an alpha amylase enzyme preparation produced by *Aspergillus oryzae*. It is available as a liquid or as a powder formulation. This rapid acting hydrolase is active throughout the acidic pH range, through the neutral pH range and well into the mildly alkaline range. It readily degrades a wide variety of starch-containing substrates. This product is not extremely heat-resistant compared with enzymes from bacterial sources, but exhibits adequate heat resistance for many industrial and most agricultural applications where its pH range is often complementary to alpha amylase from bacterial sources.

**Uses:** Fungal Amylase is used in commercial starch modification, cleaning compounds, textile processing, fermentation pretreatment and animal feed supplements. It can supplement the deficiency of endogenous amylase of young animals. It can also increase the utilization of feedstuffs by hydrolyzing the starch contained in feed to generate dextrans and sugars. In addition, this enzyme facilitates the contact between the digestive enzymes and chyme to improve nutrition absorption and utilization. Fungal amylase lowers feed conversion ratio (FCR) and improves animal production performance and utilization of energy.

**pH optimum:** 5.2, Activity range pH 4.4 to 6.0

**Activity:** 25,000 SKB/gram

**Storage Conditions:** For optimal activity store in cool dry place under 100°F. Standard shelf life under these conditions is 2 years.

**Danger:** May cause allergy or asthma or breathing difficulties if inhaled. Avoid breathing dust/fume/gas/mist/vapors/spray. In case of inadequate ventilation, wear respiratory protection. Consult safety data sheet before handling and storing this product.

**Package Sizes:** 25 kg. and 50 lb. boxes

This feed is produced in a facility certified in the AFIA's Safe Feed/Safe Food Certification Program [www.safefeedsafefood.org](http://www.safefeedsafefood.org)



**MADE IN USA**