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PRODUCT SPECIFICATIONS SHEET

ABS Lipidase 100,000

Description: Lipidase is designed to be used in a variety of feed, aquaculture and waste treatment applications. Lipidase is a feed grade component used to digest a wide variety of fats and oils found in feed stuffs and is also useful in a variety of industrial processes.

Purpose: Lipidase is recommended to be added in feed not being pelleted because of the labile nature of the product above 70°C. Research is continuing on a heat stable version. Based on research in the literature (J.R. Pluske, et. Al. In *Alltech Research Symposium 1997 Proceedings*) the product should work best when added 50 –200 grams per metric tonne of finished feed to rations containing a maximum of 40% either rice bran or Copra meal. Levels with other feedstuffs should be determined experimentally. These recommendations should be used as a guideline to develop a feeding program using Lipidase. See the following charts for activity and stability data. The product can be mixed with Lipase P to provide additional lipase and enzyme activities with a slightly different pH and temperature range. Lipidase is also more economical than pancreatic source lipase.

Activity: 100,000 FIP/g

Unit Definition: One unit of enzyme activity (FIP Unit) is defined as that quantity of a standard lipase preparation (Fungi Lipase-International FIP Standard) that liberates the equivalent of 1 μ mol of fatty acid per minute from the *Substrate Emulsion* under the described assay conditions.

Storage Conditions: For optimal activity store in cool dry place under 100°F. Standard shelf life under these conditions is 18 months.

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



MADE IN USA

