

# AMAFERM®

## Fact and ID Sheet

Manufactured by

**Biozyme Incorporated**  
**6010 Stockyards Expwy**  
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**Identity of product: Commercial name: Amaferm®**

The additive is a dried fermentation product from select strains of a non-pathogenic fungus *Aspergillus oryzae*, obtained by a deep culture, multi-stage fermentation method. The ferment as secreted by *A. oryzae* during the multi-stage fermentation process, is sprayed on a support of food-grade wheat bran), dried and ground to produce the feed additive Amaferm.

<b>Guaranteed Analysis:</b>	Crude Protein	16.0 % Min.
	Crude Fat	1.6 % Min.
	Crude Fiber	14.0 % Max.
	Ash	8.0 % Max.

**Ingredients:** Dried *Aspergillus oryzae* Fermentation Product, Wheat bran.

**Properties** of the product: Light brown in color with loose meal consistency and no odor. The product Amaferm retains the physical characteristics of the food-grade wheat-bran on which the *Aspergillus oryzae* ferment is dried. The wheat bran used has a mean particle size of 1.5mm with 90% of the particles between 0.25mm and 2.0mm (range).

**Principal effect:** The effect is primarily the enhanced growth and development of digestive tract microorganisms responsible for the degradation of fibrous feed stuffs.

**Conditions for use:** Mix with feed so daily intake provides proper inclusion rate of Amaferm. May be pelleted.

**Stability:** Amaferm is packaged in the dried state in a 3-ply, multi-wall bag, with a high-density plastic film moisture barrier and considered stable. The bags are sealed utilizing the pinch-bottom seal closure feature which helps to prevent insect and vermin infestation. The product should be protected from moisture.

**Moisture:** The dry product contains less than 10% of moisture by weight.

**Particle Size:** Particle size range from 2mm-0.25mm, particle shape is amorphous cubes.

**Density:** In terms of physical density, Amaferm is ground to 0.425 kg/m<sup>3</sup> +/- .024 kilograms per liter (or 26.5 +/- 1.5 pounds per cubic foot) with a standard error, SE of 1.7 at P<0.05).

**Safety:** No means or methods of protection are necessary during the manufacture and use of the product. The product is considered by the United States Food and Drug Administration as a GRAS (Generally Recognized As Safe) substance.

**Purity:** Amaferm is free from or below FDA advisory levels for humans of mycotoxins Aflatoxin, T2-toxin, Ochratoxin, Zearalenone, and Vomitoxin.

# Recommended use directions – AMAFERM®

09/08/2008

Specie	Units/Day
<p><b><u>Dairy:</u></b></p> <ul style="list-style-type: none"> <li>• Transition cows</li> <li>• Cows (Lactating/Non-lactating)</li> <li>• Replacement heifers</li> <li>• Calves under 400 lbs</li> </ul>	<ul style="list-style-type: none"> <li>• 10-15 grams</li> <li>• 5-10 grams</li> <li>• 2-3 grams</li> <li>• 1-2 grams</li> </ul>
<p><b><u>Beef:</u></b></p> <ul style="list-style-type: none"> <li>• Cows (Lactating/Non-lactating)</li> <li>• Bull Development</li> <li>• Replacement heifers</li> <li>• Grower/Feedlot</li> <li>• Calves under 400 lbs</li> </ul>	<ul style="list-style-type: none"> <li>• 2-5 grams</li> <li>• 2-5 grams</li> <li>• 2-3 grams</li> <li>• 2-3 grams</li> <li>• 1-2 grams</li> </ul>
<p><b><u>Sheep/Goats:</u></b></p> <ul style="list-style-type: none"> <li>• Adults</li> <li>• Feedlot</li> <li>• Lambs/kids</li> </ul>	<ul style="list-style-type: none"> <li>• 1-3 grams</li> <li>• 1 gram</li> <li>• 0.5-1 gram</li> </ul>
<p><b><u>Horses:</u></b></p> <ul style="list-style-type: none"> <li>• Maintenance</li> <li>• Performance</li> <li>• Breeding Horses (Mares &amp; Stallions)</li> <li>• Stressed (Illness, Surgery, Relocation, etc)</li> <li>• Foals</li> </ul>	<ul style="list-style-type: none"> <li>• 5-10 grams</li> <li>• 10 grams</li> <li>• 10 grams</li> <li>• 10 grams</li> <li>• 2-4 grams</li> </ul>
<p><b><u>Swine:</u></b></p> <ul style="list-style-type: none"> <li>• Sows (Lactating/Non-lactating)</li> <li>• Growers/Finishers</li> <li>• Starters</li> </ul>	<ul style="list-style-type: none"> <li>• 2 grams</li> <li>• 1-1.5 grams</li> <li>• 0.75-1 gram</li> </ul>
<p><b><u>Poultry:</u></b></p> <ul style="list-style-type: none"> <li>• Broilers and Layers</li> </ul>	<ul style="list-style-type: none"> <li>• 0.4 lbs/ton or 0.02% of CF</li> </ul>
<p><b><u>Dog/Cat:</u></b></p> <ul style="list-style-type: none"> <li>• All life stages</li> </ul>	<ul style="list-style-type: none"> <li>• 1mg/lb of BW</li> </ul>
<p>CF = Complete Feed BW = Body Weight</p>	

# BIOZYME®

INCORPORATED

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