



### GUARANTEED ANALYSIS

Crude Protein	14.0 % Min.
Crude Fat	1.6 % Min.
Crude Fiber	13.5 % Max.
ADF	18 % Max.

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.

### 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® 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 feedstuffs.

### CONDITIONS FOR USE

Mix with feed so daily intake provides proper inclusion rate of AMAFERM®. May be pelleted.

### STORAGE AND HANDLING

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 0.25mm and 2.0mm, particle shape is amorphous cubes.

### DENSITY

0.425 +/- kilograms per liter or 26.5 +/- 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: BY SPECIE, PER DAY

### BEEF

Cows	2 grams
Replacement Heifers	2-3 grams
Bulls	2 grams
Calves under 400 lbs. (Neonatal)	1-3 grams
Weaning & Preconditioning	1-3 grams
Stocker/Grower	2-3 grams
Feedlot	3 grams

### SHOW

Cattle	5 grams
Pig	3-5 grams
Sheep/Goat	2 grams

### HORSE

Maintenance	5 grams
Performance	10 grams
Breeding	10 grams
Seniors	10 grams
Foals & Ponies	2-3 grams

### DOG

All Life Stages	1mg per lb. of Body Weight
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### DAIRY

Replacement Heifers	3-5 grams
Transition Cows	10 grams
Lactating Cows	5-10 grams
Calves under 400 lb. (Neonatal)	1-3 grams

### SHEEP & GOAT

Adult	1-3 grams
Feedlot	2 grams
Kid or Lamb	1 gram

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**TYPICAL ANALYSIS – AS FED BASIS****NUTRIENT ANALYSIS**

Crude Protein	14.75%
Crude Fat	2.35%
Crude Fiber	12.68%
Ash	6.27%
Moisture	9.54%
ADF	12.68%
Calcium (Ca)	0.15%
Magnesium (Mg)	0.58%
Phosphorus (P)	1.45%
Potassium (K)	1.68%
Sodium (Na)	0.11%
Sulfur (S)	0.19%
Copper (Cu)	13.2 mg/kg
Iron (Fe)	135.67 mg/kg
Manganese (Mn)	133.33 mg/kg
Zinc (Zn)	79.50 mg/kg
TDN	71.78%
NEm	1.72 Mcal/kg
NEg	1.15 Mcal/kg
NEI	1.65 Mcal/kg
DE	3.17 Mcal/kg
ME	2.93 Mcal/kg

**BULK DENSITY**

24 - 31 lbs./ft<sup>3</sup>  
384 – 497 kg/m<sup>3</sup>

**SHELF LIFE**

Best if Used By 24 months from date of manufacture.

**PACKAGING**

Bags – 50 lb.

**QUALITY CONTROL STATEMENT**

It is the stated policy of Biozyme Incorporated to exceed the expectations of our customers by consistently producing and supplying the highest quality nutritional products for livestock and companion animals.

This is accomplished through an extensive system for maintaining the highest possible standards for quality control of our products meeting Safe Feed/ Safe Food, HACCP, and FAMI-QS requirements and accreditation.

Every employee is involved and committed by imparting adequate knowledge and skills in every aspect of the operation and organization. To this end we will continually strive to improve our services, processes and quality management system with a focus on customer satisfaction, compliance of regulatory standards and integrity in everything we say and do.

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