

MANUFACTURING PARAMETERS

Amaferm is produced using a select *Aspergillus oryzae* strain and proprietary multi-stage, dual fermentation process.

GENERAL SPECIFICATION Amaferm is derived from *Aspergillus oryzae*

EFSA CATEGORY Digestibility Enhancer

AAFCO NUMBER 36.11

IFN NUMBER 5-06-152

EU REGISTRATION # 4A2

USE CONDITIONS

Mix with feed so daily intake provides proper inclusion of Amaferm.

GUARANTEED ANALYSIS

Crude Protein.....	14.0% Min.
Crude Fat	1.6% Min.
Crude Fiber	13.5% Max.
ADF.....	18.0% Max.
Moisture.....	12.5% Max.

INGREDIENTS

Dried *Aspergillus oryzae* fermentation product, wheat bran.

PROPERTIES OF THE PRODUCT

- Appearance - Loose meal consistency, insoluble in water
- Color - Light brown
- Odor - No odor

STORAGE LIFE AND CONDITIONS

Store in cool, dry, well ventilated area with good rodent and grain-based pest control protocol. Always reseal any unused bags. Best if used by 24 months from date of manufacture.

PACKAGING

Bags - 50 lb. (22.7 kg) 4-ply, multi-walled bag with a high-density plastic film moisture barrier that are heat sealed. An individual label is applied to each bag and will include product name, name and address of manufacturer, net weight, and ingredients listing. Each bag will be stacked 40/pallet on clean, new wood pallet (heat treated for International shipments) that contains a heavy cardboard slip sheet on top and bottom. Pallets are shrink wrapped.

PHYSICAL CHARACTERISTICS AND HANDLING

Amaferm is a flowable, loose meal material that mixes well with typical feed ingredients. The nutritional and handling characteristics are not affected by standard manufacturing processing methods or environmental temperature changes.

- Bulk Density Loose: 20.5-25.5 lbs per cubic foot, 328-409 kg/m³
- Particle size: 95% ranges from 0.1mm - 2.0mm.
- The product is not live and can be included in pelleted and tub formulations.

PURITY

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

CERTIFICATIONS ISFSF, FAMI-QS, HACCP

NON-GMO This is a pure culture of *Aspergillus oryzae* and no genetic modifications are performed on the *Aspergillus* cultures. The ferment is sprayed on a support of wheat bran. On file is a Bio-Technology Statement certifying that the wheat bran has not been genetically modified.

GENERAL PRECAUTIONS

Due to the nature of the material it is assessed to have very low potential for human inhalation hazard during handling or application. The product is tested not to be an irritant for the eyes or a skin sensitizer. No special labeling is required.

TYPICAL ANALYSIS

Crude Protein.....	15.88%
Crude Fat	2.21%
Crude Fiber	9.72%
Ash	6.46%
ADF.....	12.51%
Moisture.....	10.66%
Calcium (Ca)	0.18%
Magnesium (Mg)	0.60%
Phosphorus (P)	1.48%
Potassium (K)	1.65%
Sodium (Na).....	0.11%
Sulfur (S).....	0.20%
Copper (Cu).....	12 mg/kg
Iron (Fe).....	151 mg/kg
Manganese (Mn)	138 mg/kg
Zinc (Zn).....	77 mg/kg
TDN	71.1%
NEm	1.68 Mcal/kg
NEg.....	1.13 Mcal/kg
NEI.....	1.64 Mcal/kg
DE.....	3.13 Mcal/kg
ME	2.89 Mcal/kg

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Manufactured by:



6010 Stockyards Expressway, St. Joseph, MO 64504 USA
800-821-3070 • support@biozymeinc.com



SPECIES AND RECOMMENDED DOSE:

BEEF	GRAMS/HD/DAY
Creep Fed Calves	1.5 grams
Starting/Receiving Cattle	2 grams
Stocker Cattle	2 grams
Grower/Finisher Cattle.....	2.5 grams
Breeding Animals	2.5 grams
Show Feeds	2.5 grams

DAIRY	GRAMS/HD/DAY
Pre-Weaning Calves	1 gram
Calf Grain Starter	1 gram
Post-Weaning Calves.....	2 grams
Non-Lactating Cows	3 grams
Lactating Cows	3 grams

SHEEP/GOAT	GRAMS/HD/DAY
Lambs/Kids	0.5 gram
Mature Animals	1 gram
Show Feeds	0.5 gram

EQUINE	GRAMS/HD/DAY
Foals/Ponies.....	2 grams
Mares/Stallions/Geldings	3 grams
Show/Performance Horses	5 grams
Senior Horses	3 grams
Draft Horses	4 grams

DOG/CAT	GRAMS/HD/DAY
All (per 10 lbs. or 4.5 kg of body weight)	0.1 gram

DEER	GRAMS/HD/DAY
All	2 grams

SWINE	POUNDS/TON
Starter/Wean 25 lbs.....	0.5 pound
Transition 25-50 lbs.....	0.5 pound
Grow/Finish 50-280 lbs.....	0.5 pound
Gestation	1 pound
Lactation.....	0.5 pound

POULTRY	POUNDS/TON
Broilers	
Starter Feeds.....	1 pound
Grower/Finisher Feeds	0.5 pound
Layer Feeds	
Pullet Starter	1.5 pounds
Pullet Grower	1 pound
Lay Cycle (All Phases)	1 pound
Breeder Feeds.....	1 pound

TURKEYS	POUNDS/TON
All	1 pound

RABBITS	POUNDS/TON
All	1 pound

FISH	POUNDS/TON
All	1 pound

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FAMqs