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PRODUCT SPECIFICATIONS SHEET

SUPER AO Fermentation Product

Manufacturer's Concentrate for Dairy, Swine, Beef, Poultry

Description: A highly concentrated blend of beneficial fungal cultures for inclusion in pelleted animal feeds or as a top dressed ingredient. Although the fungal alpha amylase present in Super AO is not capable of surviving in pelleting, the ingredient is still useful in pelleted feeds. The product contains UGF's (unidentified growth factors) which appear to improve microbial fermentation *in vitro* and *in vivo* in a variety of scientific publications. Super AO can be specifically assayed for this component and these growth factors are extremely resistant to heat experienced in pelleting. The addition of Super AO to a soy based diet allows for the degradation of oligosaccharides such as raffinose and stachyose and a decrease in trypsin inhibitor. Larger protein molecules are degraded allowing for higher levels of amino acids such as lysine, methionine, and tyrosine.

Ingredients: Dried *Aspergillus oryzae* fermentation product, alpha amylase from *Aspergillus oryzae*, and cellulase from *Trichoderma longibrachiatum*.

Guaranteed Analysis: Crude Protein, greater than 12%. Crude fiber, greater than 8%. Crude fat, greater than 5%. Moisture, less than 10%.

Analysis: The product contains a minimum of 1200 SKB/gram.

Unit Definition: One alpha-amylase dextrinizing unit (DU=SKB) is the quantity of α -amylase that will dextrinize soluble starch in the presence of an excess of beta-amylase at the rate of 1 gram per hour at 30°C.

Storage Conditions: For optimal activity store in cool dry place under 100°F (37°C). 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. bags, 1,000 kg. and 2,000 lb. bulk bags

This feed is produced in a facility certified in the AFIA's Safe Feed/Safe Food Certification Program www.safefeedsafefood.org



MADE IN USA