



Hemicell[®]-HT Feed Enzyme

Hemicell[®]-HT is a heat tolerant feed enzyme system developed to improve the nutritional value of poultry and swine diets based on soy and other ingredients with β -mannan fiber content. Like the Hemicell[®] product, Hemicell[®]-HT adds value to manufacturers by improving animal live performance, as measured by better feed efficiency, greater uniformity of live-weights, and higher livability. This new product is more thermally stable and may be applied to the feed mixer pre-pelleting without heat-inactivation of the enzyme. Hemicell[®]-HT has been shown to retain more than 80% activity under conditioning and pelleting temperatures up to 88° C.

Guaranteed Enzyme Activity

β -Mannanase (EC 3.2.1.78) from *Bacillus lentus*: 72.5 million units/lb, minimum for Hemicell[®]-HT (powder form); and 590 million units/liter, minimum for Hemicell[®]-HT Liquid (liquid form).

Recommended Application Rate

Mix 0.45-0.80 lb of Hemicell[®]-HT per ton of feed directly into the feed mixer before pelleting. Alternatively, if a liquid additive is preferred, dilute Hemicell[®]-HT Liquid with potable water and spray into the mixer at the rate of one liter per ton of feed. The enzyme product should be mixed with water using an in-line dilution system such that 50 ml product are mixed with 950 ml water (or 100 ml product are mixed with 900 ml water). Like the powder form, Hemicell[®]-HT Liquid is intended to be added to the mixer prior to pelleting.

Product Appearance and Quality

Hemicell[®]-HT is a light brown powder and Hemicell[®]-HT Liquid is a light brown liquid product. Hemicell[®]-HT and Hemicell[®]-HT Liquid meet or exceed the regulatory requirements of the jurisdictions where they are sold. No animal origin ingredients are used in production.

Product Packaging

Hemicell[®]-HT is sold in 25-kg multiwall paper bags with a polyethylene liner. Hemicell[®]-HT Liquid is supplied in 208 L (55-gallon) plastic drums and in 1249 L (330-gallon) re-useable totes.

Safe Handling

Feed enzyme products may cause dermal and respiratory irritation and/or sensitivity. Appropriate protective clothing and equipment should be used during handling. Consult the product safety sheet for further information.

Recommended Storage

Store product in closed containers at 75° F or below. These products will meet the guaranteed level of enzyme activity for 12 months provided that they have been stored according to this recommendation.

Hemicell[®] is the registered trademark of ChemGen Corp. Hemicell[®]-HT may be used under RE 38047, and US 6,162,473, and Patent Pending.

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