



# Hemicell<sup>®</sup> Feed Enzyme

Hemicell<sup>®</sup> is a proprietary and unique enzyme-based feed additive for poultry and swine diets. Hemicell<sup>®</sup> acts by breaking down the anti-nutritive  $\beta$ -mannan fiber, permitting the animals to spend energy growing and not waste energy on an unneeded immune response. Hemicell<sup>®</sup> adds value to manufacturers by improving animal live performance, as measured by feed efficiency, uniformity of live-weights, and livability. This enzyme system is available in liquid concentrate form for post-pelleting application onto feed and as a dry powder for use in mash feed.

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## Guaranteed Enzyme Activity

$\beta$ -Mannanase (EC 3.2.1.78) from *Bacillus lentus*: 720 million units/liter, minimum for Hemicell<sup>®</sup>-L (liquid form); and 140 million units/kg, minimum for Hemicell<sup>®</sup>-D (powder form).

## Recommended Application Rate

Dilute 110 ml of Hemicell<sup>®</sup>-L with 890 ml potable water using an in-line dilution system, and immediately spray the dilute enzyme solution onto the pelleted feed at the rate of 1 L per metric ton of finished feed. Alternatively, mix 500 g of Hemicell<sup>®</sup>-D directly into the feed mixer for make-up of mash feed.

## Product Appearance and Quality

Hemicell<sup>®</sup>-L is a light brown liquid product and Hemicell<sup>®</sup>-D is a light brown powder. Hemicell<sup>®</sup>-L and Hemicell<sup>®</sup>-D meet or exceed the regulatory requirements of the jurisdictions where they are sold. No animal origin ingredients are used in production.

## Product Packaging

Hemicell<sup>®</sup>-L is supplied in 208 L (55-gallon) plastic drums and in 1249 L (300-gallon) reuseable totes. Hemicell<sup>®</sup>-D is sold in 25-kg multiwall paper bags with a polyethylene liner.

## 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 25° C 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.

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Hemicell<sup>®</sup> is the registered trademark of ChemGen Corp. and is patented under U.S. Patent RE38047, 5,476,775 and 6,162,473.

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