

# Fiberex® F1

In this product the key enzyme activity is provided by cellulase that hydrolyzes (1,4)-beta-D-glucosidic linkages in cellulose and other beta-D-glucans

## PRODUCT CHARACTERISTICS/PROPERTIES

Component name	Cellulase
Activity	1500 FHU/g
Color	Brown
Physical form	Liquid
Properties	Product may be hazy and contain slight precipitate; this does not affect enzyme activity or performance

Color can vary from batch to batch. Color intensity is not an indication of enzyme activity.

## PRODUCT SPECIFICATION

	Lower Limit	Upper Limit	Unit
Fiber hydrolysis unit FHU	1500		/g

## GM STATUS

This product is not a GMO.

The enzyme product is manufactured by fermentation of a microorganism that is not present in the final product. The production organism is improved by means of modern biotechnology.

## STORAGE CONDITION

**Recommended storage:** 0-10 °C (32-50 °F)

Packaging must be kept intact, dry, and away from sunlight. Please follow the recommendations and use the product before the best-before date to avoid the need for a higher dosage.

**Best before:** You will find the best-before date in the certificate of analysis or on the product label.

The product gives optimal performance when stored as recommended and used prior to the best-before date.

## SAFETY AND HANDLING PRECAUTIONS

Enzymes are proteins. Inhalation of dust or aerosols may induce sensitization and may cause allergic reactions in sensitized individuals. Some enzymes may irritate the skin, eyes, and mucous membranes upon prolonged contact. See the Safety data sheet for further information regarding safe handling of the product and spills.

## COMPLIANCE

The product is produced by fermentation using a nonpathogenic, nontoxic microorganism known to be safe.

The product is Generally Recognized as Safe (GRAS) for the intended use as a processing aid in the production of fuel ethanol in plants that also produce distiller's grains co-products (DDGS).

The enzyme is non functional in both the fuel ethanol and the DDGS. The product complies with the safety requirements of the US Federal Food, Drug and Cosmetic Act (FFDCA), including non adulteration and suitability for use in animal feed.

## CERTIFICATIONS

Novozymes is a signatory to United Nations Global Compact, United Nations Convention on Biological Diversity and report on our sustainability performance through Global Reporting Initiative (GRI). See all our commitments under sustainability on [www.novozymes.com](http://www.novozymes.com).



## PACKAGING

The product is available in different types of packaging. Please contact the sales representative for more information.

For more information, or for office addresses, visit [www.novozymes.com](http://www.novozymes.com)