

Novozym[®] 539

HP F

In this product the key enzyme activity is provided by serine endoprotease that hydrolyzes internal peptide bonds

PRODUCT CHARACTERISTICS/PROPERTIES

Component name	Protease (Subtilisin)
Activity	35 KNPU-S/g
Color	Yellow to brown
Physical form	Frozen

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

PRODUCT SPECIFICATION

	Lower Limit	Upper Limit	Unit
Protease unit KNPU-S	35	40	/g

COMPOSITION

Ingredients	Appr. % (w/w)
Water, CAS no. 7732-18-5	87
Protease (Subtilisin), CAS no. 9014-01-1*	12
Sorbitol, CAS no. 50-70-4	1

*Defined as enzyme conc. (dry matter basis)

GM STATUS

This product is not a GMO.

Production organism	Bacillus licheniformis
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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: -18 °C or below (-0.4 °F or below)

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.

INFORMATION RELATED TO USE AND APPLICATION

Novozymes does not promote or support the use of enzymes as Active Pharmaceutical Ingredients (APIs) or excipients. Novozymes enzymes are industrial bulk products and are not produced according to pharmaceutical standards. Novozymes does not analyze all impurities and/or carry over in the enzyme product. If enzymes are used as process aids, it is the responsibility of the API or excipient manufacturer to assure that the enzymes are suitable for the intended use, including but not limited to evaluation of purity and absence of carry over in final API or excipient product.

Valid from 2020-11-27

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.



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

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