

Attenuzyme® Clip

In this product the key enzyme activity is provided by pullulanase that hydrolyzes (1,6)-alpha-D-glucosidic linkages in pullulan, amylopectin and glycogen

PRODUCT CHARACTERISTICS/PROPERTIES

Component name	Pullulanase
Activity	400 PUN-J/g
Color	Yellow to light brown
Physical form	Liquid

PRODUCT SPECIFICATION

	Lower Limit	Upper Limit	Unit
Pullulanase unit PUN-J	400		/g
pH at 25°C	4.0	5.5	
Total viable count	-	10000	/g
Coliform bacteria	-	30	/g
E.coli	Not Detected		/25 g
Salmonella	Not Detected		/25 g

GM STATUS

This product is not a GMO.

The enzyme product is manufactured by fermentation of microorganisms that are not present in the final product. The production organisms and the enzyme effectiveness are 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 suitable for manufacturing products for vegans and vegetarians as it is derived from a production process, which does not utilize any raw materials and/or processing aids of animal origin.

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