

Product Data Sheet



Shearzyme® 500 L

Valid from 27-Oct-2004

Product Characteristics:

Enzyme Class	Xylanase (endo-1,4-)
Declared activity	500 FXU-S/g
Colour	Yellow
Physical form	Liquid
Approximate Density (g/ml)	1.09
Viscosity (cPs)	1-25
Stabiliser	Glycerol Sorbitol
Preservatives	Potassium sorbate Sodium benzoate
Production organism	Aspergillus oryzae Produced by submerged fermentation of a genetically modified micro organism. The enzyme protein, which in itself is not genetically modified, is separated and purified from the production organism.

Product Specification:

	Lower Limit	Upper Limit	Unit
Fungal Xylanase Units FXU-S	500	570	/g
pH at 25C	4.0	5.0	
Total Viable Count	-	50000	/g
Coliform Bacteria	-	30	/g
Enteropathogenic E.Coli		None Detected	/25g.
Salmonella		None Detected	/25g.

The product complies with the recommended purity specifications for food-grade enzymes given by the Joint FAO/WHO Expert Committee on Food Additives (JECFA) and the Food Chemical Codex (FCC).

Packaging: See the standard packaging list for more information.

Recommended Storage:

Best before	When stored as recommended, the product is best used within 3 months from date of delivery.
Storage temperature	0-25°C (32°F-77°F)
Storage Conditions	In unbroken packaging - dry and protected from the sun. The product has been formulated for optimal stability. Extended storage or adverse conditions such as higher temperature or higher humidity may lead to a higher dosage requirement.

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. The product may create easily inhaled aerosols if splashed or vigorously stirred. Spilled product may dry out and create dust. Spilled material should be flushed away with water. Avoid splashing. Left over material may dry out and create dust. Wear suitable protective clothing, gloves and eye/face protection as prescribed on the warning label. Wash contaminated clothes. A Material Safety Data Sheet is supplied with all products. See the Safety Manual for further information regarding how to handle the product safely.