



EMCOZYME – PBX

Emcozyme – PBX is a neutral **cellulase**, produced by submerged fermentation of a *Hemicola* microorganism. **Emcozyme – PBX** is a fully formulated product with **anti – redeposition** agents to ensure minimal back staining and is buffered with phosphate buffering system aiming at pH → **6.0 – 8.0** during washing and needs no further auxiliaries.

- High quality denim abrasion finish for garments.
- Low to very low degree of Indigo back staining.
- Optical strength retention
- High degree of reproducibility and reliability

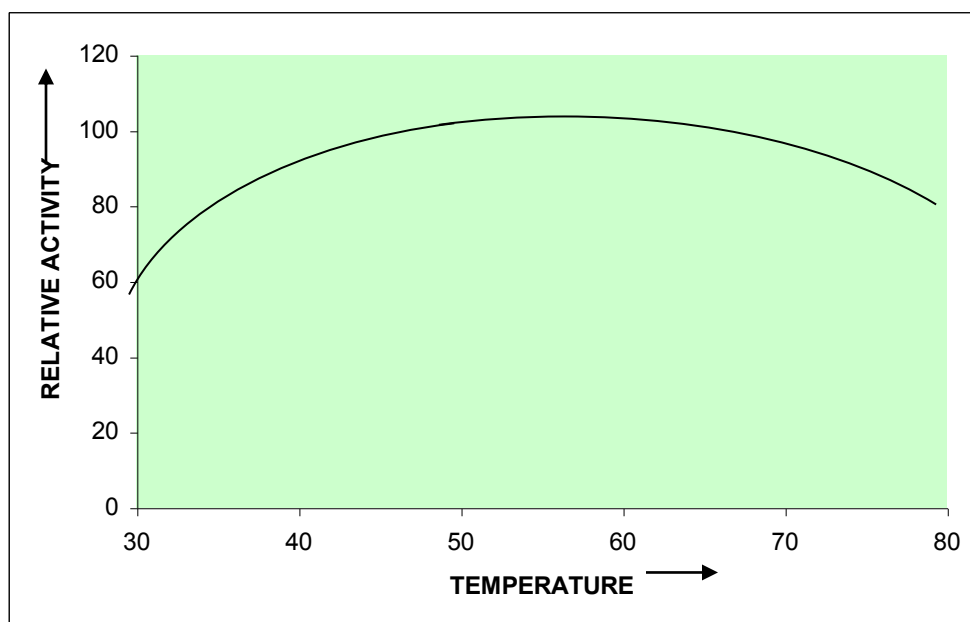
Properties:

Appearance	: Off white powder
Chemical Nature	: Neutral cellulase
Solubility	: Dispersible in cold water
pH (2 % solution)	: 6.5 – 7.5
Storage Stability	: Stable for 3 months when stored in a cool & dry place @ 20 ⁰ C

Properites:

Performance of **Emcozyme – PBX** depends on **temperature** and **pH**.

- Influence of **temperature** on the activity of **Emcozyme – PBX**.



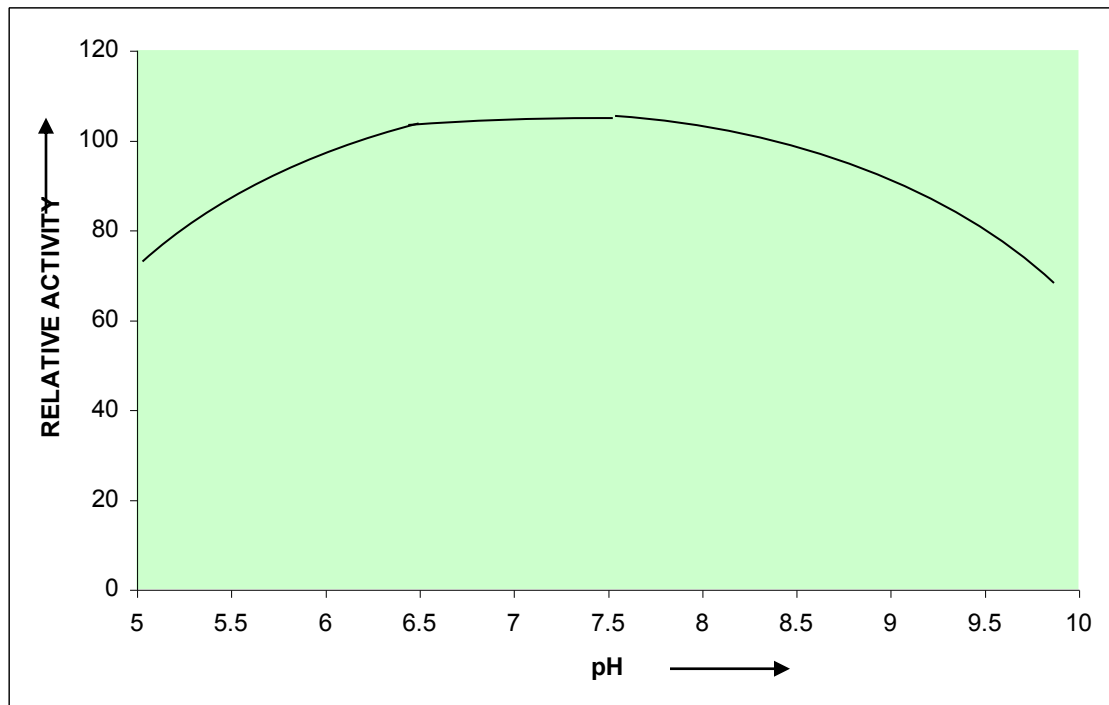


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- Influence of **pH** on the activity of **Emcozyme – PBX**.



Method of Application:

Emcozyme – PBX	→ 1.0 – 1.5 % (o. w. g.)
Liquor Ratio	→ 4:1 – 20:1
Temperature	→ 50 – 55 ^o C
pH	→ 6.5 – 7.5
Duration	→ 45 – 75 minutes

Please Note: Enzyme treatment should be terminated by a thorough detergent wash off (**Mirapol – N**). For complete inactivation run for 15 minutes with 1.0 – 2.0 gpl Soda Ash (**pH ≥ 10.0**) @ 80^o C followed by hot wash / cold wash.

General safety instructions:

The usual hygiene and safety rules for handling chemicals should be observed in storage, handling and use. The product should not be swallowed. For further information, please consult existing safety data sheet.

Note : The data contained in this communication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed. Responsibility for compliance with the requirements of the downstream textile market rests with the textile processor.