

GFzyme-AC™

Acid Cellulase for Textile

GFzyme-AC™ is a kind of acid cellulase by fermentation of nonpathogenic microbe. It can be used for cellulose fabric's bio-polishing. Be applied to woven fabric, knitted fabric and can get better effect on cotton fabric, cotton/polyester blends, flax, ramie. After the use of GFzyme-AC™, the fuzziness and the pilling is reduced, the feeling of fabric is more softer and smoother and the color is more lustrous.

◆ Characteristics

- 1) Enzyme activity : 3,500 Unit/ml
- 2) Gravity : 1.1~1.25
- 3) pH : 4.0~5.0
- 4) Appearance : brownish(Color can vary from batch to batch, color intensity is not an indication of enzyme activity), liquid

◆ Technology parameter

- 1) Dosage : Based on dilution
 - 2) Bach ratio : 5 : 1 ~ 20 : 1
 - 3) Processing time : 30~90 minutes
 - 4) Temperature : 45~55 °C
 - 5) pH : 4.5~5.5
- The dosage of GFzyme-AC™ can be changed by bath ratio, pH, temperature, time, machines, fabric type etc.
 - Specific dosage can be adjusted to the actual process.
 - By adding anhydrous sodium carbonate, raising pH value to 10 or raising temperature to 80°C and keep for 10-15 minutes, this enzyme can be inactivated.

◆ Advantages

- 1) Reducing the fuzziness and pilling of cotton fabric
- 2) Improving soft and smooth feeling of the fabric
- 3) Improving the lustrous of the fabric color

◆ Packaging and storage

- 1) 20kg barrel, 200kg plastic drum
- 2) Avoid direct sunlight and store at cool and dry place