



COLORIQ

The Chemistry Behinds...

COLORZYME BIO FEEL-PST (CONC)

Biopolishing Enzyme

Product Information

Colorzyme bio feel -PST (CONC) is an acid cellulase enzyme for bio-polishing of cellulosic and polyester/cellulosic blends. The product is to be used in garment dyeing machine and jet dyeing machine where the suitable mechanical action is provided which enhances the action of Colorzyme bio feel -PST (CONC). It is also suitable for colour fading for denim garments and bio-polishing of knits, fabrics & terry towels.

To avoid excess strength loss of garments and materials after biopolishing, it is recommended deactivation of Colorzyme bio feel -PST (CONC) after the treatment.

FEATURES

- Versatile
- Controlled action

BENEFITS

- Bio-polishing can be carried out without draining the bath.
- Minimum shade changes in dyed material and minimum strength loss.

PROPERTIES

Appearance -----→ Dark brownish liquid.

Ph 1% -----→ 6 +/- 1

Miscibility-----→ Miscible with water.

Stability -----→ Stable to dilute acids & dilute alkalies

Compatibility-----→ Compatible with non-ionic products but not compatible with strong cationic or anionic products.

DOSAGE & APPLICATIONS

1.For Biopolishing of cottons and blends in exhaust after pre-treatment

- 🌱 Colorzyme bio feel -PST (CONC): 0.5% - 0.8%
- 🌱 pH: 4.7 - 5.5
- 🌱 Temperature: 50-60 deg.C
- 🌱 Treatment time: 30-60 min

Dosage should be based on cotton component only.

Note:

- 🌱 Colorzyme bio feel -PST (CONC)to time: after adjustment of pH & temperature of bath.
- 🌱 After the bio-polishing treatment, raise the temperature to 70 deg.C and/or adjust pH to 10 to terminate action of enzyme. The material can then be finished using chemical finishes as usual.
- 🌱 Combined bio-polishing and peroxide elimination can be carried out for cotton knits and terry towels prior to reactive dyeing.

Bio-polishing is usually recommended before cationic dye-fixation or cationic softening.

CAUTION

- 🌍 In case of skin contact, wash with plenty of water.
- 🌍 In case of eye contact, wash with plenty of water and seek medical advice.

PACKING MATERIAL

50KG BAG PACKING.

The storage guidelines for the product

1.Storage Conditions:

- 🌍 Store the product in its original container.
- 🌍 Keep it in a dry, dust-free location at temperatures below 50°C.

2.Ventilation and Compatibility:

- 🌍 Ensure the storage area is well-ventilated.
- 🌍 Keep the product away from incompatible materials (as specified in the Material Safety Data Sheet) and food items.

3.Container Handling:

- 🌍 Seal the container tightly after each use.
- 🌍 Avoid pouring unused material back into the container.

4.Shelf Life:

- 🌍 The product remains usable for at least 24 months from the date of manufacture.

WORK

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