



aalfa
dyes & chemicals

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Technical Information

GAMAZYME

Gamazyme is an enzyme based product for bio-polishing of cellulosics and polyester/cellulosic blends. The product is to be used in garment dyeing machine and jet dyeing machines where suitable mechanical action is provided which enhances the action of Biopol-HC.

To avoid excess strength loss of garments and materials after bio-polishing, we recommend deactivation of Biopol-HC after the treatment.

KEY FEATURES & BENEFITS

Key Features

Benefits

Versatile

Combined peroxide elimination and bio-polishing can be carried out

Suitable for colour fading for denim garments and bio-polishing of knits, fabrics & terry towels

Controlled action

Minimum shade change in dyed material and minimum strength loss

GENERAL CHARACTERISTICS

Physical appearance : Dark Brownish Liquid.

Ionic Nature : Nonionic

pH of 1% solution : 5 +/- 1

Miscibility : Readily miscible with water.

Compatibility : Not compatible with strong cationic or anionic products.

Stability : Stable to dilute acids & dilute alkalies.

APPLICATION

Equipment	-	Jet dyeing machine or garment dyeing machine.
Gamazyme	-	0.5-1% depending on requirement
Ph	-	5-5.5
Temperature	-	50-55 deg.C
Treatment time	-	30-60 min.

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.

NOTE: Combined bio-polishing and peroxide elimination can be carried out of cotton knits and terry towels prior to reactive dyeing. Bio-polishing is usually recommended before cationic dye-fixation or cationic softening.

PRECAUTIONS

Storage:

Store in cool, ventilated shed away from heat and direct sunlight. Storage temperature should not exceed 35 deg C. Close lids firmly to avoid contact with air and moisture.

Shelf Life:

6 months from the date of manufacturing, if stored under controlled conditions.

(The above information is given in good faith and is without warranty)