



Sarex Chemicals

(A Divn. Of Saraf Chemicals Pvt. Ltd.)

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PRODUCT LITERATURE

BIOPOL-COMBI

Product Information

Biopol-Combi is an innovative multicomponent enzyme which is effective for peroxide killing and biopolishing in one stage operation. Biopol-Combi can be used for cellulosic fabric and its blends. Biopol-Combi does not show strength loss or shade changes. Biopol-Combi shortens the processing time.

As it is a neutral cellulase enzyme it will ensure a higher degree of whiteness than expected acid cellulases for full white fabric.

The product to be used in soft flow machine and garment dyeing machine.

Key Features & Benefits

Key Features

Multi component enzyme

Controlled action

pH stable

Economical

No stripping of optical brightness like acid cellulase

Eliminates residual peroxide

Stable to anionic auxillaries & salt(sodium sulphate/sodium chloride)

Benefits

Peroxide killing and bio-polishing can be carried out after bleaching in the same bath

No shade change in dyed material or strength loss

Applied at wide pH

Saving in water, time and energy

Retain brightness of full whites

No shade changes during dyeing

Can be used during dyeing

General Characteristics

Physical appearance : Yellow to yellowish brown liquid

Ionic nature : Non-ionic

pH of 1% solution : 6 +/- 1

Miscibility : Miscible with water



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Compatibility : Not compatible with strong cationic products or anionic products
Stability : Stable to dilute acids and dilute alkalies

Application

Equipment - Jet dyeing machine or garment dyeing machine.
Biopol-Combi - 0.8-1.5% (depending on requirement)
pH - 5.0-6.5
Temperature - 45-60 deg.C
Treatment time - 60-75 mins

Check H2O2 residue after 15-20 min. Confirm that it should be nil and follow dyeing as per customer's dyeing procedure. During exhaustion of dye bio-polishing will be also simultaneously taken place for 50-60 min. At the end of 50-60 min, alkali to be added where enzyme gets deactivated and dye get fixed to the substrate or can be deactivated by increasing the temperature to 80 deg.C for 10 mins.

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

[The above information is given in good faith and is without warranty]
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