G-ZYME BSL LIQUID

New generation, fully formulated engineered enzyme for effective biopolishing as well as fading

CONSTITUTION
Blend of whole cellulases

APPEARANCE
Dark Brown Clear liquid

MISCIBILITY
Miscible in water

COMPATIBILITY
Compatible with nonionic products

HIGHLIGHTS
- High aggression
- Very low backstaining
- Good pH and temperature tolerance
- High economy as fully formulated
- Good Indigo retention with grey cast
- Excellent fuzz cutting
- Operates over wider range of temperature 55 to 60°C and pH 4.5 – 5.5. Highest activity at 60°C
- Ecofriendly operation and non-corrosive to the equipment

APPLICATION
Due to the ring dyeing of warp yarn of denim a faded fashionable look is obtained. These types of wash down effects are created due to the removal of dyes by abrasion on the garments. Wash down effect are achieved due to bio abrasion where the enzymes act on cellulose and by hydrolyzing it gives the desired look.

G-Zyme bsl Liquid attacks the amorphous regions producing better cutting, good puckering effects and as it engineered with its CBD’S knocked off produces far less back staining compared with acid cellulases. Can call this product as high speed enzyme with Neutral looks..

Effect of application parameters on activity of G-Zyme bsl Liquid

![Temperature vs Activity Chart](chart1)
![pH vs Activity Chart](chart2)
1. BIO POLISHING
   - Load the garment
   - Add water
   - Raise temperature to 55 -60 °C and adjust pH to 4.5-5.5
   - Add
     - Kleenox PSF Liquid 0.5 gms/lit
     - G-Zyme bsl Liquid 0.5 – 1.5 %
   - Run the machine for required time i.e. between 45-90 mins
   - Drain
   - Hot rinse with
     - Greenpol A Liquid  1.0 – 2.0  gms/lit at 80°C and pH 8-9
   - Rinse
   - Drain

2. BIO FADING
   - Add water
   - Raise temperature to 55°C and adjust pH to 4.5-5.0
   - Add
     - G-Zyme bsl Liquid 0.5-2.0%
     - Greenpol ZBS Powder 0.1-0.2 gms/lit
     - Fibrolube HML Liquid 0.5-1.0 gms/lit
   - Run for 45-90 mins as required
   - Drain
   - Hot rinse with
     - Greenpol A Liquid  1.0 – 2.0  gms/lit at 80°C and pH 8-9
   - Rinse
   - Drain

STORAGE
G-Zyme bsl Liquid has to be stored in an air-tight, cool & dry place, away from direct heat and sunlight.

PACKING
G-Zyme bsl Liquid is available in 20kg (4 x 5 Kg.) packs and 30 Kg. (30 Kg x 1) packs to suit customers requirements.