

# ANC ENZYME SOLUTIONS PTE LTD

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## FYH - 100

Indigo bleaching enzyme

### Description

FYH-100 is a fully formulated product used in the bleaching of indigo dyed garments. FYH - 100 is buffered to run between pH 4.0 and 5.5. No pH adjustment is needed.

### Benefits

- Environmentally friendly
- Retains high fabric strength
- Enhances denim abrasion
- No pH adjustment needed.

### Properties

Appearance: Light brown powder  
Solubility: Miscible with water  
Odor: Mild fermentation odor

### Dosage

Enzyme requirements are based on processing conditions. Under optimum conditions 0.5-2.0% FYH-100 on the weight of garments will adequately bleach indigo dyed garments with a liquor ratio of 5:1-10:1, in 10-30 minutes.

1. FYH-100 is added after the stonewash liquor has been drained during the wet garment process.
2. Fill washer to liquor ratio of 4:1 to 10:1.
3. Heat bath to 60-70°C.
4. Add FYH-100 at 0.5-4.0% o.w.g. and wash for 10-30 minutes.
5. Rinse with hot water and surfactant.

Remarks : The product contains no water and it is essential that the product is not mixed with water before use.

### Effect of Temperature

Optimum temperature range: 50-70°C

Effective temperature range: 40-70°C

### Effect of pH

Optimum pH range: pH 4.0-5.0

Effective pH range: pH 3.5-6.0

### Packaging

Standard package size for FYH-100 is 50-kilogram drums. Alternate custom packaging is available upon request for smaller or larger volumes.

### Handling

Avoid contact with skin and eyes; rinse with water if spilled. Always close drum after opening.

### Storage

In sealed containers, under cool dry conditions, FYH-100 will maintain activity for at least three months.