



PISCEAN 3BSP

PISCEAN 3BSP is a buffered, concentrated, neutral type cellulase enzyme preparation in non dusty granular powder form intended for use in the industrial laundry to treat cellulosic materials and denims.

PISCEAN 3BSP works within a pH range of 4.0 to 7.0, at temperatures between 25°C to 55°C. Optimal operating conditions; pH 4.5 – 5.5 temperature at 35°C to 45°C.

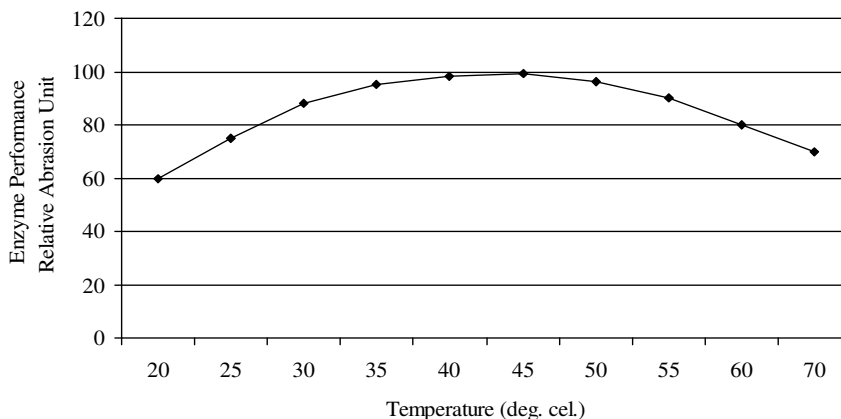
PISCEAN 3BSP primarily used to achieve high contrast stonewash effects on denim fabrics, garments with durable softening, peach-skin effects and very minimal backstaining. Treated Denims exhibits excellent abrasion contrasts with grayish cast.

PISCEAN 3BSP is a non-hazardous, non-flammable (Product) and totally dispersible in warm water. It is user friendly and easily bio-degradable.

PHYSICAL PROPERTIES:-

Appearance	:	Light tanned non-dusty powder / granular
Odour	:	Mild fermented product smell
Solubility (2g/L)	:	Dispersible in water
pH of 1g/L (25°C)	:	6.0 ± 0.5

Fig.1 Relative Abrasion Units of Piscean 3BSP against variable temperature range at pH 5.0



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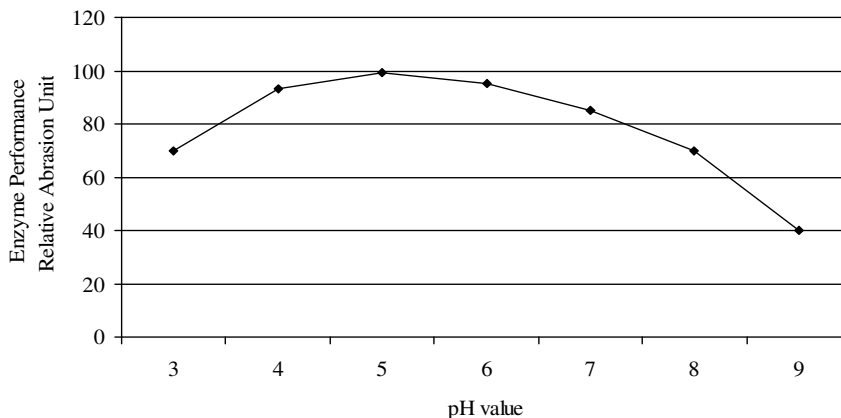
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Fig.2 Relative Abrasion Units of Piscean 3BSP against variable pH at 40 deg. Cel.



Recommended Formulation (Product = 100%):

- 5% to 10% of Piscean 3BSP
- 90% to 95% of Antistain B910 / N998

Optimal Performance:

- pH : 5.0 ± 0.5
- Temperature : $40^{\circ}C \pm 5^{\circ}C$

Users' Recommendation:-

- Materials to be treated by **PISCEAN 3BSP** must be desized. (Pimaze ALB, 0.5% - 1.0% o.w.f., $60^{\circ}C \times 15 - 20'$)
- Usage : 1.0% to 1.5% of the blended product on O.W.F.
- Time : 30 mins to 75 min

With or without stones. Dosage amount depends on effects warranted

To de-activate **PISCEAN 3BSP** (After treatment)

- 1) Adjust pH above 9 with soda ash or detergent
- 2) Increase temperature to $70^{\circ}C$ and above
- 3) Use cationic softeners or bleach

Packings: 50kg Drum

Storage: Store in a tight capped condition, avoid direct sunlight, heat and humidity

Transport: Product is not classified as hazardous.

Separate MSDS available upon request.

