ADI-ZYME BPA 1.0

Acid cellulase for denim and textile finishing

ADI-ZYME BPA 1.0 is a concentrated liquid formulation of cellulase enzymes designed for textile applications such as fabric and garment bio-finishing
(i.e., depilling surface modifications and softening). It gives excellent finishing performance on 100%cotton and blend. Versatile ADI-ZYME BPA 1.0 provides surface polishing, and softening with low enzyme dosages on a verity of cellulosic fabrics and garments.

ADI-ZYME BPA 1.0 provides complete fibrillation control to generate superior and durable finish on fabrics. It is **compatible** with most other processing aids, Including **nonionic wetting agents** and **dispersants** etc. Compatibility should be checked to determine the impact on enzyme and stability.

ADI-ZYME BPA 1.0 is ideal for bio-finishing of cotton and blends fabrics and garments.
It is also suitable for denim washing. Enzyme treatment can be done **before** and **after** dyeing, depending on the desired final effect on the goods.
ADI-ZYME BPA 1.0 produces a stone washed looked that can be varied according to the user's preference. A wide range of abrasion can be obtained either with or without stones.

ADI-ZYME BPA 1.0 provides surface polishing, prevents pill formation, creates improved hand, provides fibrillation control and reduces dead and immature cotton. Enzyme treatment after dyeing can results in partial dye removal, depending on the type of dye used.

Properties

Chemical composition:	**Acid cellulase**
Ionic character:	**cationic/non-ionic**
pH:	**About 4.5 -5.5**
Physical form:	**brown liquid**
Storage stability:	**ADI-ZYME BPA 1.0 is stable for 6 month when properly stored in closed containers at 20 °C.**
Solubility	**Readily dispersible in water**

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Application

Suggested recipes

Fabric

Dosage: 0.1 - 0.7 %

Garments

Dosage: 0.2 - 0.3 %

PROCESS PARAMETERS	OPERATIONAL RANGE	OPTIMUM RANGE
pH	3.5 - 5.5	4.0 - 5.0
Temperature	40 - 70° C (104 - 158° F)	50- 65° C (122 - 149° F)
Liquor ratio	1:3 to 1:20	1:8 to 1:15
Time	15 - 60 minutes	Dependent on variables

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