

ANC ENZYME SOLUTIONS PTE LTD

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Denimlase NA-45

Denimlase NA-45 is a high performance hot water acid powder cellulase specially designed for producing stonewashing effects on denim fabrics. Denimlase NA-45 provides an aged appearance, along with a soft handle, with a product that is very easy to use. Denimlase NA-45 generates a mild chemical abrasion that partially removes dyes from and softens denim; depending on process, this product may be used with or without pumice stones. Denimlase NA-45 provides superior anti-backstain effects compared to other cellulases, especially conventional liquid acid-type cellulases.

General Characteristics:

Appearance:	Light brown powder.
Composition:	Enzyme mixture with buffer.
Solubility:	Soluble in water.
Storage:	Store in a cool place, in an airtight container.

General Application Method:

Application of Denimlase NA-45 depends on the fabric effect desired. Treatment conditions such as liquid ratio, bath pH, temperature, water hardness, and degree of desizing play a very important role in determining the results of biowashing. The following conditions are recommended for carrying out biowashing.

Liquid ratio:	1:10
Temperature:	50-55°C
pH:	5.5-6.5
Dosage:	1-4% owg
Time:	45-75 minutes.

Washing Without Stones:

1. Desize the garments.
2. After desizing, drain the water and refill to a 1:10 liquid ratio.
3. Raise the temperature to 50-55°C.
4. Introduce the Denimlase NA-45 into the bath at 1-4% on the weight of goods.
5. Ensure the bath pH is 5.5-6.5 (6.0 is the ideal pH).
6. Wash for 45-75 minutes, depending on effect desired.
7. Drain the bath and continue with the after-wash process.

Washing With Stones:

1. Desize the garments.
2. After desizing, drain the water and refill to a 1:10 liquid ratio.
3. Introduce the stones and raise the temperature to 50-55°C.
4. Introduce the Denimlase NA-45 into the bath at 1-4% on the weight of goods.
5. Ensure the bath pH is 5.5-6.5 (6.0 is the ideal pH).
6. Wash for 45-75 minutes, depending on effect desired.
7. Drain the bath and continue with the after-wash process.

Disclaimer-All suggestions and data presented are based on information and tests that are believed to be accurate and reliable, but are not to be taken as a guarantee, expressed or implied, for which seller assumes legal responsibility. It is recommended that the user carry out their own tests to determine the suitability of the product to his/her process before incorporating the product on a commercial scale. ANC Enzyme Solutions Pte Ltd