

## BEIZYM NGS-P

<b>Characterization</b>	Strong cellulase for creating stone-wash looks on denim articles
<b>Chemical Structure</b>	Modified neutral cellulase with pH buffer
<b>Supplied Form</b>	White - beige powder
<b>Ionic Character</b>	Non-ionic
<b>pH Value of a 1 % Solution</b>	5.0 – 7.0
<b>Stability</b>	Alkalis and strong acids impair the efficiency of BEIZYM NGS-P. Wetting and washing agents, especially those with anionic character, may impair the enzymatic effect.
<b>Storage</b>	Avoid a prolonged storage at temperatures above 30 °C. Protect from humidity.

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## Properties

### Function

BEIZYM NGS-P is a neutral product which was especially developed for washing blue denim articles. With BEIZYM NGS-P, it is possible to achieve in the washing treatment of jeans articles a fabric appearance which corresponds with a stone or superstone-wash look without or with a reduced amount of pumice stones.

BEIZYM NGS-P is most efficient between pH 5.0 – 7.0. Due to the buffer in the product, it is normally not necessary to do a separate pH value adjustment, but when working with mercerized articles we recommend controlling the pH value and regulating it if necessary.

## Application Technique

### Diluting Instruction

BEIZYM NGS-P can be added as diluted form 1:5 in soft water or directly put in the drum washing machine. The treatment temperature should not exceed 50 °C. For a very good grain and levelled look, ideal process time should be 40 to 50 minutes.

### Recommendation for Use

The application amounts of BEIZYM NGS-P depend on the desired brightening effect or the desired stone-wash look.

The following recipes serve as guidelines after desizing blue denim articles:

Enzymatic washing:

0.5 – 1.5 %      BEIZYM NGS-P  
0.5 – 1.0 g/l     DENIMCOL CLEAN SMX 2

Machine:          drum washing/dyeing machine  
Temperature:      40 – 45 °C  
pH value:          5.0 – 7.0  
Liquor ratio:      1 : 4 – 1 : 8  
Treatment time:   40 - 60 min  
Then rinse warm and cold

or

Enzymatic stone-wash/combination with pumice stones

0.3 – 1.2 %      BEIZYM NGS-P  
0.5 – 1.0 g/l     DENIMCOL CLEAN SMX 2

Machine:          drum washing/dyeing machine  
Temperature:      40 – 45 °C  
pH value:          5.0 – 7.0  
Liquor ratio:      1 : 4 – 1 : 8  
Treatment time:   40 - 60 min  
Then rinse warm and cold  
Separate fabric and stones

Enzymatic stop

For stopping the activity of possible enzyme residues on the fabric we recommend the immediate complete drying at temperatures > 85 °C.

If the fabric is to be stored wet or moist for a prolonged time, an enzymatic stop ought to be carried out by means of the following:

- Increase in pH value in the treatment bath to 9.0 – 10.0
- Increase in temperature of the treatment bath to 80 – 85 °C.

**We reserve the right to modify the product and technical leaflet.**

**Our department for applied technique is always at your service for further information and advice.**

Our technical advice and recommendations given verbally, in writing or by trials are believed to be correct. They are neither binding with regard to possible rights of third parties nor do they exempt you from your task of examining the suitability of our products for the intended use. We cannot accept any responsibility for application and processing methods which are beyond our control.

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