Prolux GSW

Prolux GSW (Gray Effect) is a cellulase (EC 3.2.1.4) produced by submerged fermentation of a genetically modified Trichoderma microorganism.

CHARACTERISTICS

Composition	: Powder enzyme preparation
Appearance	: White powder
PH(%10)	: 5,5 ± 0,5
Ionic Char.	: Anionic - Nonionic
Solubility	: Dissolves into water in every percentage

USING CONDITIONS and APPLICATIONS

- **Prolux GSW** is a white-coloured blend of enzyme and auxiliaries available with a standard strength of 97500 NCU/g
- Colour intensity is not an indication of product strength. The enzyme activity of **Prolux GSW** is declared in Cellulase Units.
- Organic production
- **Prolux GSW** is a ready-to-use product for the abrasion of denim
- Cost effective
- **Prolux GSW** is a non-food-grade product intended for technical applications only.
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Prolux GSW is recommended when the following type of finish is sought:

- High-quality garment finish (contrast)
- Low degree of indigo backstaining
- Optimal strength retention
- High degree of reproducibility and reliability
- **Prolux GSW** is a fully formulated product and needs no further auxiliaries.

Suggested process conditions for gray effect are:

Prolux GSW	0,5-1.5% of weight of garment
Liquor/garment ratio	5:1-10:1
Treatment time	30-60 min
Temperature	40-65 ºC (optimum: 50-60 °C)
PH	5.5-9.0 (optimum: 6.0-8.0)

The enzyme treatment should be terminated by a thorough detergent wash-off.
For complete inactivation, run for 15 min with
1-2 g/l sodium carbonate (pH ≥10) at 80ºC

STORAGE CONDITIONS

Enzymes gradually lose activity over time depending on storage temperature. Cool conditions are recommended. When stored in closed containers at 25°C, the product will maintain the declared activity for at least 3 months. Extended storage and/or adverse conditions, including higher temperatures, may lead to a higher dosage requirement.