



SILITL-CT 30L

TECHNICAL DATA SHEET

Introduction

Accelerated Bleaching Enzyme CT-30L

SILIT-CT-30L bleaching enzyme is an enzyme preparation used for bleaching blue black and black cattle. It can efficiently and stably decolorize sulfide black dye at low temperatures, with high decolorization efficiency and stable color light. Can be blue black denim to enhance the bright blue color. The product does not contain formaldehyde APEO 、 Heavy metal ions and restricted or prohibited substances in the Oeko Tex 100 standard.

Properties

- | | |
|--------------|--------------------------|
| ➤ Appearance | Orange red liquid |
| ➤ PH Value | 4.0-7.0 |
| ➤ Ionicity | Nonionic |
| ➤ Solubility | Dissolve in water |
| ➤ Components | Imitated Enzyme catalyst |
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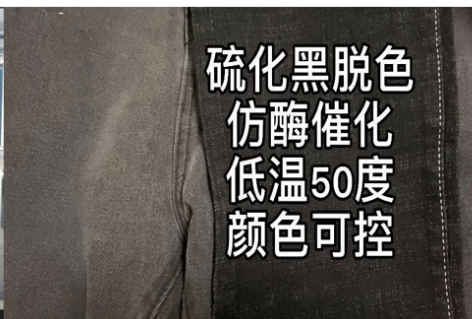
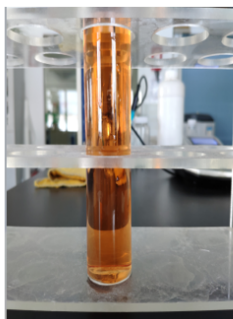
Characteristics

- Suitable for bleaching sulfur black denim, replacing potassium permanganate, safer and more environmentally friendly;
 - Shorten the bleaching time of black cattle, lower the bleaching temperature, save energy and reduce emissions;
 - Suitable for enhancing the vividness of blue and black denim;
 - Indigo denim combines three steps of desizing, boiling, and brightening , saving energy and water;
 - Mild effect, minimal damage to fiber strength;
 - Brightening for Blue and black denim;
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Reference process

Reference process

Process	Black demin bleaching	Blue black fabric enhances brightness
Accelerated Bleaching Enzyme CT-30L	0.5-1.5g/L	0.5-1.0g/L
Caustic soda	1.0-3.0g/L	1.0-3.0g/L
Hydrogen peroxide solution	2.0-10.0g/L	1.0-5.0g/L
Temperature	40-60	40-60
Processing time	According to the process requirements	



硫化黑脱色
仿酶催化
低温50度
颜色可控

- 1.Black sulfide decolouration
- 2.Imitated enzyme catalyst
- 3.Low temp at 50 °C
4. Controlled color

Reference process on black denim

(1) Oxygen bleaching process on **Black Denim**



Process	Bleaching on Black Denim
CT-30L	0.5-1.5g/L
Caustic soda	1.0-3.0g/L
Hydrogen peroxide	2.0-10.0g/L
Temp	40-60°C
Time	Depend on craft requirement.
Remark: The Soda can't replace the Caustic soda in the process.	

Reference process on black denim

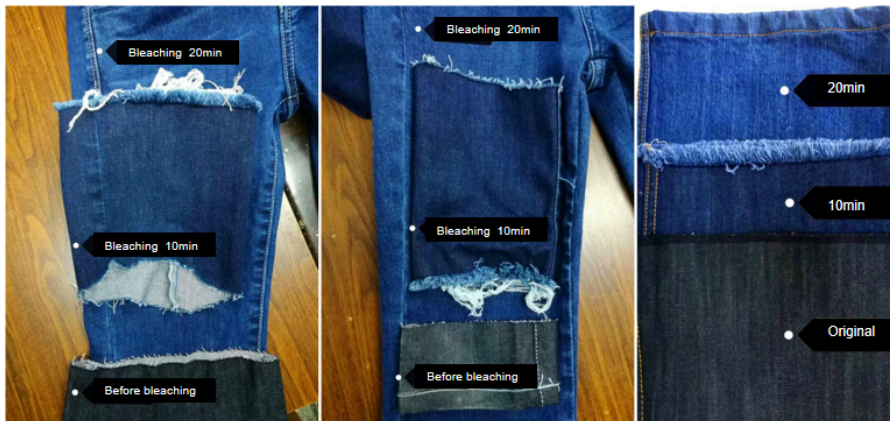
(2) **Advantages** of oxygen bleaching process on Black Denim

- Compared with conventional PP process, easy to operate and little color difference by each batches.
- Close to cyan light after oxygen bleaching, no need to remove yellowing and bright color.
- Good abrasion and smooth after oxygen bleaching.



Reference process on Blue-black denim

(1) Oxygen bleaching process on Blue-black Denim



Process	Bleaching on Blue-black Denim
CT-30L	0.5-1.0g/L
Caustic soda	1.0-3.0g/L
Hydrogen peroxide	1.0-5.0g/L
Temp	40-60°C
Time	Depend on craft requirement.
Remark: The Soda can't replace the Caustic soda in the process.	

Reference process on Blue-black denim

(2) Advantages of oxygen bleaching process on Blue-black Denim

- Take max advantage of hydrogen peroxide to reduce its dosage and shorten time.
- Color is bright after oxygen bleaching, no need to remove yellowing and brighten color.
- Good abrasion and smooth after oxygen bleaching.
- Take chlorine bleaching and hydrogen peroxide alkali boiling into one step finished to shorten process.



Packaging and Storage

120kg plastic drum packaging.

Store in a cool and dry place below 25℃, avoid direct sunlight, and have a shelf life of 6 months under sealed conditions. After opening the packaging, if it is not used up, please seal the lid and store it to avoid expiration.



Statement

This product is a textile additive. Avoid inhalation, ingestion, or contact with skin and eyes. For detailed safety information on this product, please refer to its MSDS. The formulas and recommended processes provided in this document are based on our understanding and knowledge of the product and are for reference only. We cannot guarantee their feasibility for all processes. It is recommended that users conduct experiments in advance based on application conditions to determine the formula and process. If there are any discrepancies or legal liabilities involved, our company will not be held responsible.