

## TUBOTEX NCD

### Characterization

Alkali donor, buffer and stabilizer for the discontinuous peroxide bleach

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### Chemical Structure

Synergetic mixture of inorganic alkali salts with tensides

### Supplied Form

White powder

### Ionic character

Anionic

### pH Value of 1% Solution

10.2 – 13.8

### Apparent weight

Approx. 900 g/l

### Stability

Due to its application field TUBOTEX NCD has a very good stability towards hydrogen peroxide and alkalis.

The product cannot be used in acid treatment baths.

The product is not sensitive to frost.

### Storage

If stored properly in closed original containers, it will hold for 48 months

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## Properties

TUBOTEX NCD is a multi-functional powdery bleaching auxiliary, especially for bleaching with hydrogen peroxide on winch becks, overflow and jet dyeing machines.

The product contains all auxiliaries which are normally used in hydrogen peroxide bleach. Thus, the number of bleaching chemicals which are necessary and which must be on stock can be clearly reduced.

TUBOTEX NCD controls the pH-value, has an excellent stabilizing effect on hydrogen peroxide and thus has a very mild effect on the fibre.

## Application technique

### Dilution

TUBOTEX NCD has to be prediluted in warm water and added to the bleaching bath approx. 5 min. before the hydrogen peroxide is added.

## Fields of application

TUBOTEX NCD is a multi-functional bleaching auxiliary, especially for the application in long liquor. In the hydrogen peroxide bleach it can be used on all discontinuous bleaching aggregates.

## Recommendation for Use

The application amount of TUBOTEX NCD depends on the desired result, the amount of peroxide and the liquor ratio.

Bleaching recipes:

Winch beck (Liquor ratio 1 : 15 - 1 : 20)

2.0 - 4.0 g/l      TUBOTEX NCD  
2.0 - 6.0 ml/l     H<sub>2</sub>O<sub>2</sub> 35 %

Bleaching temperature: 90 - 95 °C  
Bleaching time: 45 - 90 min.  
Rinse

Jet (liquor ratio 1 : 6 - 1 : 10)

3.0 - 4.0 g/l      TUBOTEX NCD  
2.0 - 6.0 ml/l     H<sub>2</sub>O<sub>2</sub> 35 %

Bleaching temperature: 90 – 95 °C  
Bleaching time: 30 - 60 min.  
Rinse

Jigger (liquor ratio 1 : 3 - 1 : 5)

3.0 - 8.0 g/l      TUBOTEX NCD  
3.0 - 10.0 ml/l    H<sub>2</sub>O<sub>2</sub> 35 %

Bleaching temperature: 90 – 95 °C  
Bleaching time: 2 - 4 passages  
Rinse

In all recipes mentioned above 0.3 - 0.8 % (referred to the fabric's weight) optical brightener, for example TUBOBLANC HA, can be added to the bleaching bath in case of full white.

**Please note:** TUBOTEX NCD has a strong caustic effect on skin and mucous membranes. When working with TUBOTEX NCD the necessary precaution measures, such as wearing protective gloves, eye/face protection, have to be respected.

**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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