

● **DHK 97300**

## DHK™ 97300 Alkaline Pectinase-highly concentrated

### Properties

DHK 97300 is a highly concentrated, non-GMO alkaline pectinase. It is an alkaline pectinase used for Bio-scouring natural cellulosic fibres such as cotton, linen, hemp and blends. It removes pectin and other impurities from cotton fibres without any degradation of the cellulose. So there is no negative effect on the strength properties of the fabric. DHK97300 can be applied in any type of equipment normally used for textile wet-processing. It is a pure pectinase enzyme without addition of any surfactant. It should be used together with wetting agent and scouring agent (emulsifier) to get the desired scouring performance. The selection of wetting agent and scouring agent is very important for the result of bio-scouring and good surfactants are essential.

We have a formulated ready-to-use product named DHK 91800 which ensures the good bio-scouring effect. Customers can choose DHK 97300 as a formulation base or use DHK 91800 directly.

### Advantages

- Removes pectin and other impurities from cotton fibres without any degradation of the cellulose and thus has no negative effect on the strength properties of the fabric.
- Can be applied in any type of equipment
- Softer cotton textiles over traditional alkaline scouring
- Less water and energy required
- Fewer chemicals used, environmentally friendly solution
- Mild conditions allow treatment of linen and blends
- Very good performance/price ratio
- Hydrogen peroxide stable
- Low COD and BOD in the effluent compared to traditional pretreatment

### Chemical Characteristic alkaline pectinase

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ISO 9001 Certified



## ● DHK 97300

Textile Auxiliaries Division ---2010/07 revised

QM-DHK200101-37

### Technical Data

Appearance: Brown Liquid

pH: 4.0-5.8

Activity: 300 U/mL (minimum)

Specific gravity: 1.10-1.20

### Storage

To ensure extend shelf life, store DHK 97300 at 25°C or below in a sealed container. Exposure of this product to elevated temperatures for prolonged periods of time may result in loss of activity.

### Application

DHK 97300 can be applied in bio-scouring of knitting fabric, hank yarn and package yarn. A typical processing example is as following,

0.5 – 1g/L                    wetting agent  
1 – 2g/L                     scouring agent  
0.2 – 0.4g/L                DHK 97300  
Neutral pH                  without  
additional use of acid or alkaline.  
Temperature                55-60°C

Hold for 60mins  
Drop the bath, followed by hot rinsing before dyeing.

### Process Conditions

Parameter	Optimal Range	Operational Range
pH	7.0, 9.0	7.0-9.5
Temperature	50-60°C	40-60°C

### Packaging

Standard packaging is 30kg or 200kg drum

### Enzyme Safety Handling

Inhalation of enzyme dust and mists should be avoided. In case of contact with skin or eyes, promptly rinse with water for at least 15 minutes.

For detailed handling information, please refer to the appropriate Material Safety Data Sheet. MSDS are available from Qingdao Hengke Fine Chemicals Co., Ltd.

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