

# Bactomer® CAT | Technical Data Sheet

## Product Information

The **Bactomer® CAT** is a catalase enzyme preparation produced using a genetically modified strain of non-pathogenic fungi. The product breaks down hydrogen peroxide into oxygen and water and is suitable for the enzyme formulations, which are used for removal of residual hydrogen peroxide after bleaching. The product does not have any negative effect on the textile fibres or dyestuffs.

The **Bactomer® CAT** is a brown liquid with a density of approximately 1.10 – 1.30 g/ml. The product is easily diluted with water.

## Physical and Chemical Characteristics

Technical Data	Specs
Chemistry	Catalase enzyme. Sodium and Sulphates as preservatives and stabilizers.
Appearance	Brown liquid
Solubility	Miscible in water
pH	5-6
Active material	5.5%

## Product Application

**Bactomer® CAT** is used for the decomposition of residual hydrogen peroxide from textile material and process liquor prior to the dyeing step. Effective peroxide removal is specially important when dyeing with dyestuffs sensitive to oxidation, like reactive dyes. The use of **Bactomer® CAT** enables environmentally friendly process with decreased water consumption and shorter process time. This enzymatic bleach cleanup can be performed in batch process equipments like jets, jiggers or winches. **Bactomer® CAT** works well at broad temperature range and remains effective even at high peroxide concentrations.

## Packaging

**Bactomer® CAT** can be delivered in 200kg drums, or 1000 kg totes.

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The above recommendations are based on extensive results done in the most professional manner. The user must try this product industrially first, to verify if the product is viable for further use. The technical information and application advice given in this **Novachem** publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. These results however verified and certified by a third party, do not hold us liable in terms of performance deviations. These tests have been conducted in controlled environments. The user is responsible for checking the suitability of products for their intended use.

For further information and to request samples, please visit **novachemgroup.com** where a qualified technician will assist you.