

# GOLDBLANC BHB

Optical brightener for cellulosic fibers with blue hue for cellulosic fibers and their blends.

## Features and Benefits:

- High affinity optical brightener
- Great fastness to washing, even when applied at high temperatures.
- Light white with a high degree of whiteness.
- Great reproducibility of the white effect and blue-violet hue.
- Homogenous product, with no tendency to sedimentation, ensuring reproducibility from start to start.
- Good stability to alkali, hydrogen peroxide and electrolytes. Suitable for discontinuous bleaching systems with hydrogen peroxide.
- Good light and wet fastness.
- Product has good stability if stored according to SDS guidelines.
- This product meets the parameters required by OEKO-TEX® certification.
- This product complies with the requirements of the ZDHC program (Zero Discharge of Hazardous Chemicals).

## Physicochemical parameters:

<b>Aspect</b>	Blue liquid.
<b>Chemical nature</b>	Aqueous composition of stilbene derivative.
<b>Density (25°C)</b>	1.10 – 1.12 g/cm <sup>3</sup>
<b>Ionic character</b>	Anionic.
<b>Solubility (sol. 1% p/p)</b>	Soluble at 25°C with stirring.
<b>pH (such as)</b>	9.5 – 11.5
<b>Compatibility</b>	Compatible with nonionic and anionic products, but it is recommended to pretest.
<b>pH stability</b>	7.0 – 12.0
<b>Fastness properties</b>	See table below

Fastness properties			CEL
<b>Light</b>		<b>ISO 105-B02</b>	3
	<b>40°C</b>	<b>ISO 105-C06/A1S</b>	5
	<b>60°C</b>	<b>ISO 105-C06/A1S</b>	4 - 5
	<b>95°C</b>	<b>ISO 105-C06/E2S</b>	4
<b>Sweat</b>	<b>Alkali</b>		5
	<b>Acid</b>		5
<b>Dry heat</b>	<b>30s / 180°C</b>	<b>ISO 105-P01</b>	5
	<b>1 cycle</b>		5
	<b>2 cycles</b>		4 - 5

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\* The grades are kept when the wash bath has a reductive bleaching agent (sodium hydrosulfite) or oxidizing agent (hydrogen peroxide).

## Application:

In neutral and alkaline bathing, with or without addition of electrolytes, in particular for regenerated cellulose. Preferable together with peroxide bleaching.

<b>Dissolution / Dilution</b>	Miscible with hot or cold water in all ratios. The solutions must be stored in the dark, away from light.
<b>Recommendation on recipe</b>	0.3 – 0.7% Goldblanc BHB.
<b>Bleaching with peroxide more simultaneous optical brightening</b>	- 0.5 – 1.0 g/l Goldpal UHN - 0.5 – 1.0 g/l Goldstab OX - 5.0 g/l Caustic soda 50% - 5.0 – 6.0 ml/l Hydrogen peroxide 50% - 0.3 – 0.7% Goldblanc BHB - bath ratio: 1:8
	<b>Time / temperature:</b> - Without chemical bleaching: 15 - 30' to 80 - 60°C - With chemical bleaching: 20 - 60' to 120 - 90°C

## Information storage, security and Safety Data Sheet handling (SDS).

*Note: Considering the variety of substrates and applications processes, the information provided herein faithfully, shall be construed as guidance instrument, so we cannot be held responsible for any damages resulting from improper applications. The data contained in this technical information are based on current knowledge and current investments made of our products. Additional information may be obtained from our technical department. Rev. 08/03/2016.*