



CERTIFICATE of CONFIRMATION

Hohenstein Laboratories GmbH & Co. KG has realized a comparison test of 11 ECOLAB-washing-procedures with the most typical detergents and bleaches used all over the world. This included powder and liquid detergents as chlorine, peroxide and peracetic-acid bleaches. Temperatures varied from 40°C to 80°C. The tests have been realized on an industrial open pocket washing extractor in our laboratories.

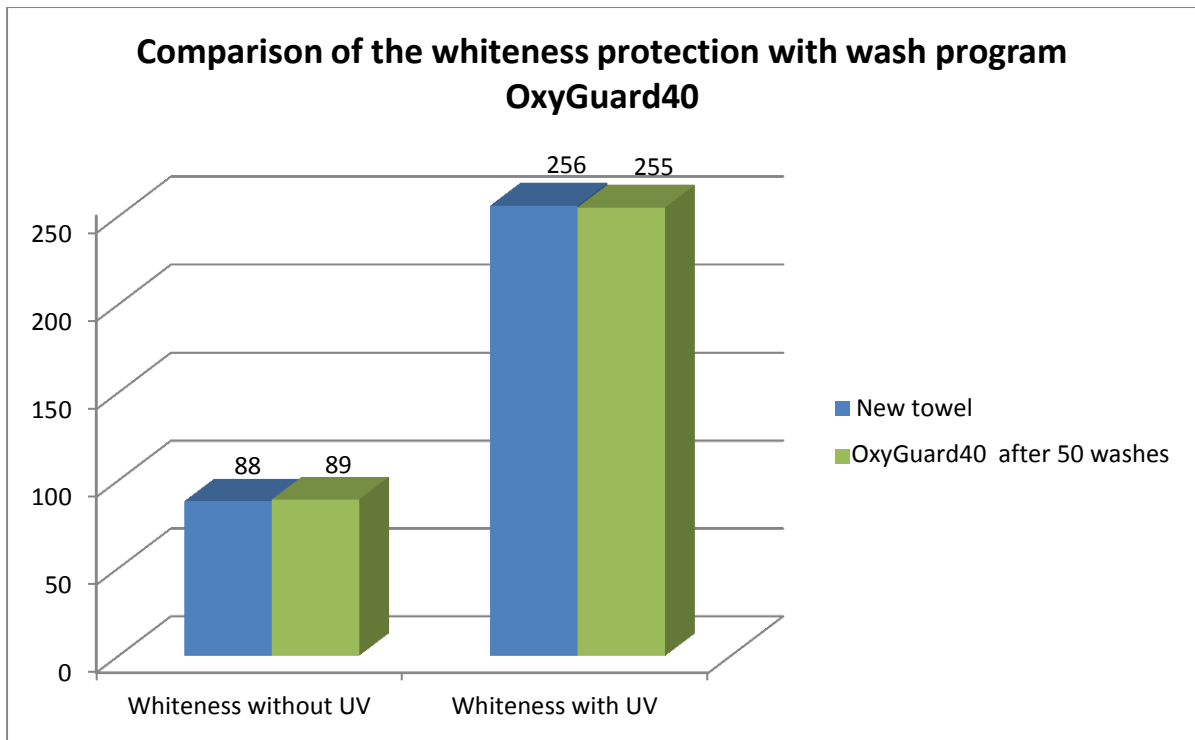
The objective was to compare the performance concerning textile life-time and whiteness.

In regard to whiteness, the basic whiteness without optical brightener and the whiteness with optical brightener have been compared.

The textile used for evaluation was a white terry towel 86% cotton / 14% polyester, with a specific weight of 490 gr / m². This textile is used by major hotel chains all over the world.

The washing procedure OxyGuard40 clearly showed the best results in terms of textile life-time, very low tensile strength loss (5,1%) after 50 wash cycles. The textile lifetime, in that regard, was estimated around 139 cycles with this program.

In regards to whiteness the wash process OxyGuard40 protected best the whiteness values of the new textiles, maintaining them after 50 washes (see graph).



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