Dyeing of treated Giza 89 Cotton Fabrics with Direct Dyes
صباغة الياف القطن جيزة 89 المعالج بالصباغات المباشرة

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Abstract:
The levelness of modified and unmodified Egyptian cotton made from Giza 89 fabric dyed with CI Direct Blue 78 and CI Direct Yellow 106 in the presence and absence of two nonionic surfactants (Rokamin 11 and Igepal CO720) was evaluated calorimetrically. The cotton was modified by grafting with vinyl pyridine (with and without quaternisation with dodecyl bromide). On modified cotton (grafted and quaternised) a significant improvement in levelness was achieved for only a slight decrease in exhaustion.

The results obtained revealed that levelness of dyeing's of CI Direct Blue 78 and CI Direct Yellow 106 on unmodified cotton was slightly improved by the surfactants Rokamin 11 and Igepal CO720. On modified cotton (grafted and quaternised). When dyeing with CI Direct Blue 78, the changes in levelness was achieved for only a "slight decrease in exhaustion, on the other hand, either of the two surfactants, an improvement in levelness was also observed, and consequently both surfactants can be used as effective levelling agents, with Igepal CO720 giving better exhaustion results.

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المصطلح:
تم تقييم تساوي بعض من الصبغات المباشرة، على أقصى قدر من القطن المصري مصنوعة من صنف جيزة 89
(الملح والماء والملح والملح، حيث تم صبغة الاقمشة مع صبغة مباشرة زرقاء وصباغة مباشرة صفراء (Direct Blue dye 78 and CI Direct Yellow dye 106), و (Igepal CO720 و Rokamin 11) النشاط السطحي (11)
وايضا تم صبغة القطن المصري غير المعالج والمحلب (الغبر مع النسيج مع بروميدي)
حيث تم تحديده عن طريق تطبيق الاقمشة و (ملاحظة) مع البروميد (2002).

English:
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Keywords:

- Direct dyes,
- Egyptian cotton,
- Exhaustion technique,
- Surface active agents,
- K/S of color,
- fastness properties

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