Fragrance Finishing of Cellulosic Fabrics

Rehab Gomaa Ibrahim
Faculty of Specific Education, Home Economic Department, Zagazig University

Abstract:
This work deals with terry towels treatment by using Reactive β-cyclodextrin to produce fragrance fabrics. Factors affecting on the performance properties (nitrogen content, towel wettability, braking strength and elongation) of towels such as β-cyclodextrin concentration, curring temperature, durability (washing) and storage time are studied. The obtained results by One-Way ANOVA (Analysis of Variance) and correlation coefficients show that the treatment of the fabric occurred by Reactive β-cyclodextrin concentration 30%, curring temperature 140 °C for 2 minutes, the percent loss of the fragrance was 18% and 55% after 20 washing cycles and 90 days respectively.

Keywords
- β-cyclodextrin,
- Perfume finishing,
- Terry towels,
- Wettability,
- Fragrance.

Paper received 22nd November 2015 • accepted 28th December 2015 • published 1st of January 2016