

Synthesis, Characterization, and Application of Some Acid Dyes Derived from 1-Amino-4 Bromo-Anthraquinone-2-Sulphonic Acid

Authors : Nuradeen Abdullahi Nadabo, Kasali Adewale Bello, Istifanus Chindo, Nurudeen Ayeni

Abstract : Ten acid dyes were synthesized from 1-amino-4-bromo anthraquinone-2 sulphuric acid by condensation with different substituted amines. These dyes were characterized by IR Spectroscopy and the results revealed an incorporation of various substituents. Application of these dyes were carried out on Nylon and wool fabrics using standard procedure melting point, percentage yield, molar extinction coefficient, wash, light and staining of adjacent fibre, of these dyes were also evaluated and the results obtained are within a reasonable range acceptable for commercial dyes.

Keywords : acid dyes, dyeing, exhaustion, extinction co-efficient

Conference Title : ICC 2015 : International Conference on Chemistry

Conference Location : Prague, Czechia

Conference Dates : March 23-24, 2015