

ABSTRACT

Analytical evaluation of the drugs using chromatographic methods I.

(Determination of the conditions for simultaneous evaluation of clotrimazole and benzylalcohol)

Thesis

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Optimum chromatographic conditions for simultaneous HPLC determination of clotrimazole and benzylalcohol in a pharmaceutical formulations (2 % cream) were elaborated.

The best results was achieved using chromatographic column Separon SGX CN, 7 μm , 150 x 4 mm I. D. (Tessek Prague, Czech Republic). The mobile phase consisted of mixture of acetonitrile and aqueous solution of K_2HPO_4 0.05 mol/l (60 : 40), pH 6.7 (adjusted with 10 % H_3PO_4). The flow rate was 0.8 ml/min. The UV detector set at 268 nm was used.

Method was validated for linearity and robustness.

Complete validation will be an aim of the next rigorous work.