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Separation of N-alkyl phenothiazine sulfones by HPTLC using an optimum mobile phase[Cimpoi, C.](#), [Hodisan, S.](#), [Toşa, M.](#), [Paizs, C.](#), [Majdik, C.](#), [Irimie, F.-D.](#)

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Abstract

In high performance thin layer chromatography some form of optimization is necessary if complete separation of all components is required. The selection of mobile phase composition is one of the most important components of an optimization strategies. The aim of this paper is the separation of the N-alkyl phenothiazine sulfones by high performance thin layer chromatography using an optimum mobile phase system. The optimum composition of mobile phase (toluene-ethyl ether-chloroform, 30:50:20, v/v) are given by the maximum of objective function ($F_{obj}=10.6110$). © 2002 Elsevier Science B.V. All rights reserved.

Author Keywords

Chromatographic response function; High performance thin layer chromatography; N-alkyl phenothiazine sulphones; Optimum mobile phase

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