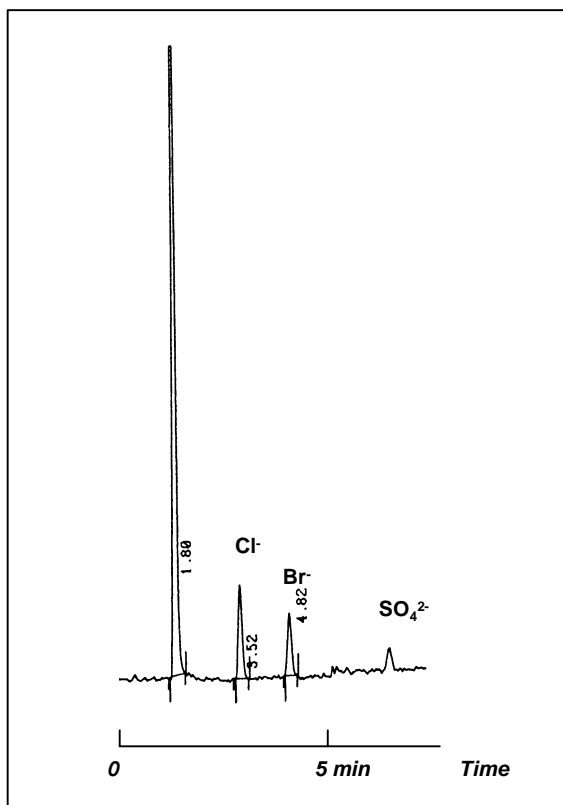


Determination of Anions in Pharmaceutical Products (1)



Analysis of anions 10 ppm (Cl⁻, Br⁻, SO₄²⁻)
DDL31 - EUROSEP Instruments

In main pharmaceutical industries, the organic chemical reactions used for the synthesis of therapeutic molecules are achieved in an aqueous mixture. Also the native synthesized molecules come as salt form. In some cases, to be active, the molecules have to be in organic form, so in order to measure the organic purity of the final product, we measure the anion trace in the final mixture. Thereafter, we show a simple and easier analytical method to measure anions with a good sensibility using HPLC and ELSD detection.

Chromatographic conditions :

Column : Ypercarb 150x4.6 mm

Injection Volume : 10µl

Flow Rate : 1 ml/min

Mobile Phase : 20mM HCOOH 20mM Pyridin in water

Nebulizer temperature : 18°C

Evaporation temperature : 30°C

Pressure : 0.7 bar

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