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Although reversed-phase chromatography is the most commonly used chromatographic method for the analysis of drugs in the pharmaceutical industry, ion chromatography serves as an alternative method for ionic species that is often used to provide confirmation for the analysis of drugs, including sulfa drugs.

Anion chromatography with conductivity detection was chosen as the analytical technique for the development of a cleaning validation method for clean-in-place (CIP) detergents. The method was developed and validated for the determination of traces of the detergent CIP-200.

Validation data for the determination of perchlorate in ...

All solutions used for ion-exchange chromatography were prepared with ultrapure water (minimal resistance 18.2 MΩ-cm), supplied by Milli-Q RG unit from Millipore (Bedford, MA, USA). Sodium carbonate solutions used as eluents were prepared by dilution in ultrapure water, degassing with nitrogen. The samples used for validation procedure were

Ion Chromatography for Anion Analysis The Validation Issues Hardware: The Ion Chromatograph Software: Data Processing Method: The Chemistry Sensitivity and Detection Limits Linearity and Accuracy System Suitability: QA / QC

Ion chromatography (IC) analysis is a simple, fast and accurate way to ensure that your product is clean, safe and of the highest quality using the separation and quantification of anions and cations using High Performance Liquid Chromatography (HPLC) and a conductivity detector.

Ion-exchange chromatography is widely used for profiling the charge heterogeneity of proteins, including monoclonal antibodies. Despite good resolving power and robustness, ionic

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Abstract. An anion-exchange liquid chromatography method for the determination of heparin and its impurities (dermatan sulfate and oversulfated chondroitin sulfate) was developed using chemometric-assisted optimization, including multivariate experimental design and response surface methodology. The separation of heparin, dermatan sulfate, and oversulfated chondroitin sulfate (R_s above 2.0) was achieved on a Dionex RF IC IonPac AS22 column with a gradient elution of 10-70% of 2.5 M sodium ...

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And, sometimes, ion chromatography is the only technique that affords the necessary quantitative ionic cleanliness analysis. Ion chromatography (IC), also called ion exchange chromatography, is a cleanliness-testing technique that involves the separation of anions or cations.

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 2.2 Ion Chromatography 3 2.2.1 Columns 5 2.2.2 Eluent 6 2.2.3 Detector 7 2.2.4 Software 8 2.3 Validation of method 11 2.4 Validation parameters 12 2.4.1 Deviations (errors) 12 2.4.2 Linearity test 13 2.4.3 Precision 13 2.4.4 Method accuracy 13 2.4.5 t test 14 3 Method and material 14 3.1 Chemicals 14 3.2 Standard 14

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 Ion chromatography is used for water chemistry analysis. Ion chromatographs are able to measure concentrations of major anions, such as fluoride, chloride, nitrate, nitrite, and sulfate, as well as major cations such as lithium, sodium, ammonium, potassium, calcium, and magnesium in the parts-per-billion (ppb) range.

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