

## **Abstract**

In the frame of this work, dependences of electrophoretic mobilities of four defined multiple charged cyclodextrins on ionic strength of background electrolyte were measured using capillary zone electrophoresis. Dependencies of mobility on ionic strength do not follow Onsager law in the case of large and multiple charged species. Therefore, empirical fitting function was used to determine limiting mobilities of studied cyclodextrins. Obtained values of limiting mobilities as well as the resulting regression function are essential for correct determination of complexation constants of corresponding cyclodextrins with various analytes.