

Metrosep C 4: improved cation separation thanks to a new column material

Metrohm presents the Metrosep C 4, a new cation column with outstanding separation characteristics. The Metrosep C 4 is the result of latest advances in synthesis procedures and production processes and has even better separation characteristics than its predecessors, the Metrosep C 2 and Metrosep Cation 1-2 column types.

More theoretical plates, better detection limits

The Metrosep C 4 column has a clearly improved peak shape which leads to a better separation of the individual peaks. Direct comparison has revealed that using the Metrosep C 4 the number of theoretical plates per meter is higher than that obtained on the Metrosep C 2 or Cation 1-2 columns. Additionally, for standard cations, transition metals and amines, the Metrosep C 4 column shows better results with regard to peak shape, peak height, resolution and asymmetry factor. Especially for monovalent cations, the C 4 column achieves a very high number of theoretical plates per meter, thus yielding outstanding detection limits and an improved separation of sodium and ammonium.

