

APPLICATION NOTE

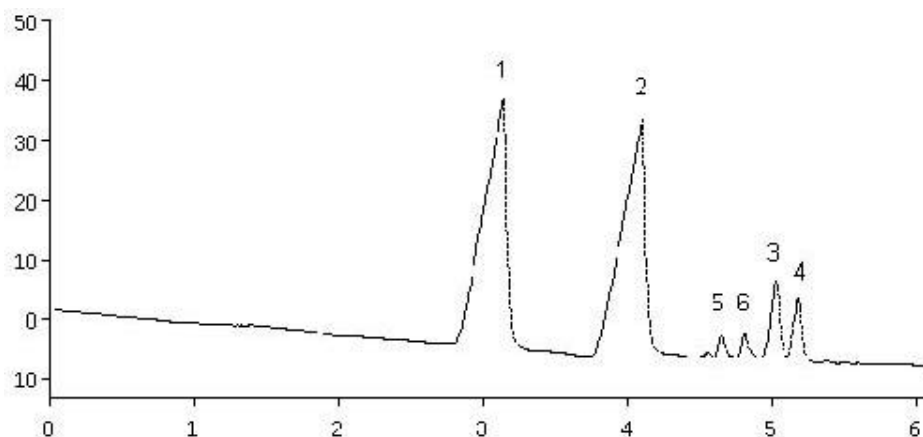
Application Note : 011

Title of application :

Analysis of cationic impurities in water

Area of application :

Water analysis



Conditions :

Buffer	CA-002
Sample	Water fortified with metal cations (Peaks: 1. potassium, 2. sodium 3. calcium 4. magnesium 5. Barium 6. strontium. 50 ppb each)
Capillary	50 μm i.d, 38 cm length
Injection mode	Electrokinetic mode
Separation setting	7 kV
Instrument used	CE-P1

Description :

Ionic impurities in water have a detrimental effect on many industrial processes. Examples are K^+ and Na^+ in fabricating circuit boards and Ca^{2+} and Mg^{2+} in operating high pressure boilers. CE-P1 can be employed as a useful means to generate a precise ionic profile, both peak identification and quantitation, of a purified water sample.