

IC Application Note No. S-117

Title: Chloride, nitrate and sulfate in sodium thiocyanate

Summary: Determination of chloride, nitrate and sulfate in sodium thiocyanate using anion chromatography with conductivity detection after chemical suppression.

Sample: Sodium thiocyanate

Sample Preparation: 5 g/L in ultrapure water

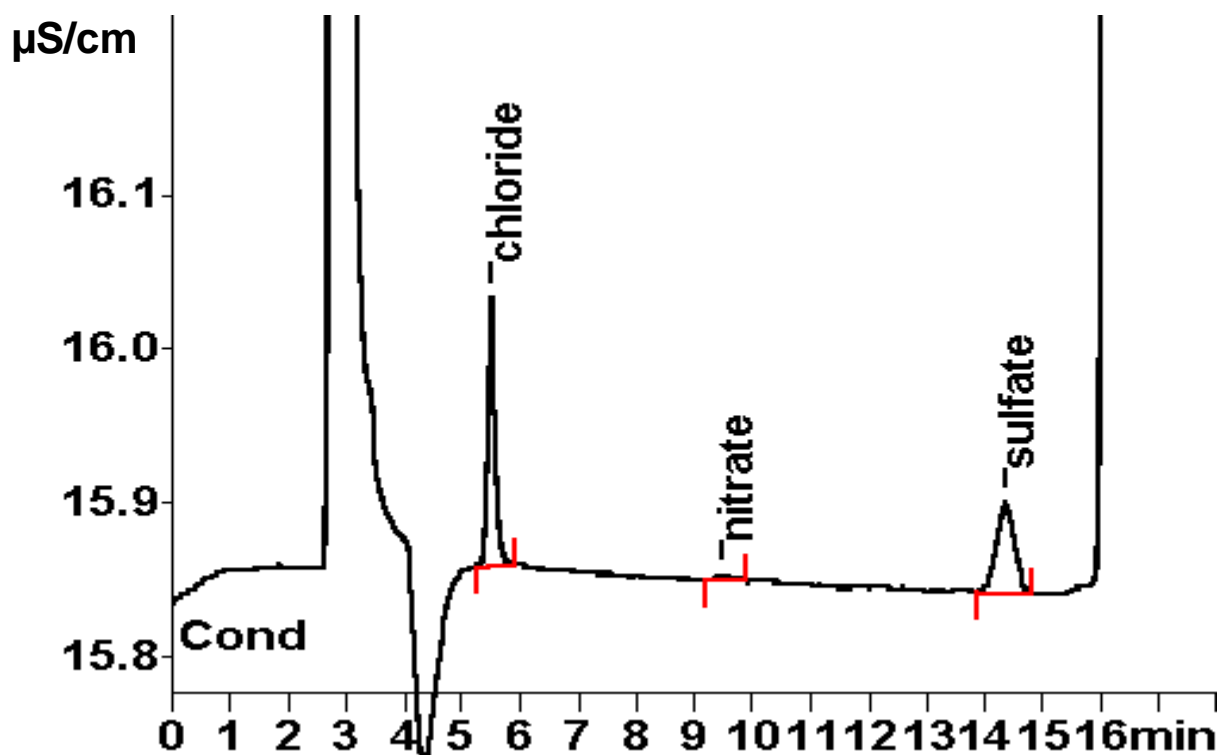
Column: 6.1005.300 Metrosep A SUPP 1

Eluent: 4.0 mmol/L sodium carbonate

Suppressor: MSM (50 mmol/L H₂SO₄)

Flow: 1.0 mL/min

Injection Volume: 20 µL



Results:	Chloride mg/L	Nitrate mg/L	Sulfate mg/L
Concentration in the injected solution	18.4	1.8	28.1