

# IC Application Note No. S-229

**Title:** Oxalate, thiosulfate and thiocyanate in amines

**Summary:** Determination of oxalate, thiosulfate and thiocyanate in an amine solution applying anion chromatography with conductivity detection after chemical suppression.

**Sample:** Amine solution

**Sample Preparation:** Dilution 1 : 100 with ultrapure water

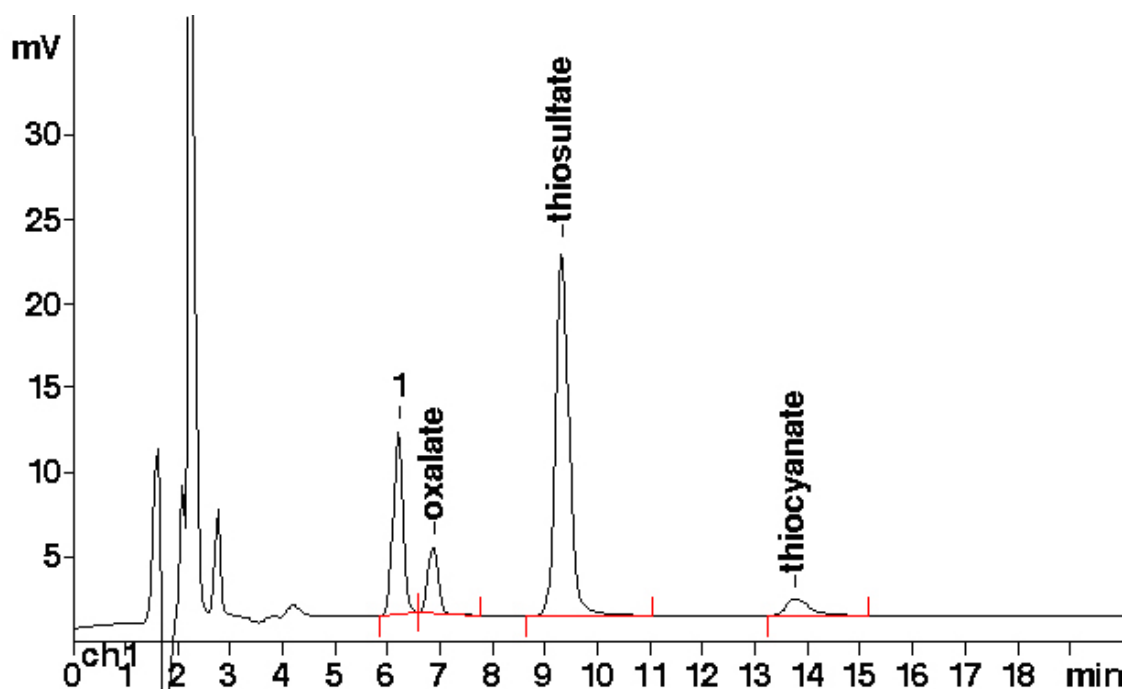
**Column:** 6.1006.510 Metrosep A Supp 5 – 100

**Eluent:** 4.0 mmol/L sodium carbonate  
1.0 mmol/L sodium hydrogencarbonate  
12% acetone

**Suppressor:** Metrohm Suppressor Module (MSM, 50 mmol/L sulfuric acid)

**Flow:** 0.7 mL/min

**Injection Volume:** 10  $\mu$ L



<b>Results:</b>	Oxalate mg/L	Thiosulfate mg/L	Thiocyanate mg/L
	140	674	65