

IC Application Note No. S-227

Title: Anions in dimethylacetamide

Summary: Determination of chloride, bromide, nitrate, phosphate and sulfate in dimethylacetamide applying anion chromatography with conductivity detection after chemical suppression.

Sample: Dimethylacetamide

Sample Preparation: Dilution 1 : 10 with ultrapure water

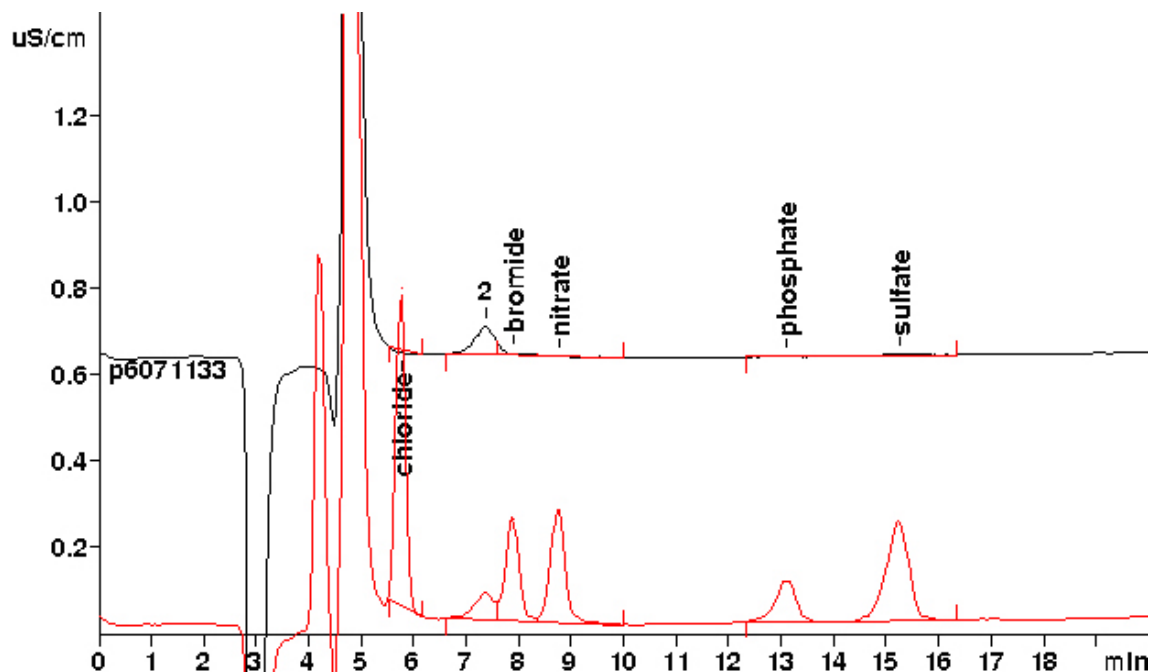
Column: 6.1006.520 Metrosep A Supp 5 – 150

Eluent: 3.2 mmol/L sodium carbonate
1.0 mmol/L sodium hydrogencarbonate
10% dimethylacetamide (Chromasolv)

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

Flow: 0.7 mL/min

Injection Volume: 20 μ L



Results:	Chloride mg/L	Bromide mg/L	Nitrate mg/L	Phosphate mg/L	Sulfate mg/L
DMAc	n.d.	n.d.	n.d.	n.d.	n.d.
DMAc +10 mg/L of the resp. anions	10.08	9.38	8.69	9.24	9.87