

IC Application Note No. S-48

Title:	Traces of chloride in a technical product containing benzotriazole and sulfuric acid
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Summary:	Determination of traces of chloride in a technical product using anion chromatography with conductivity detection after chemical suppression.
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Sample:	Technical product (2 % benzotriazole, 10 % H ₂ SO ₄)
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Sample Preparation:	Dilution 1 : 500 in eluent
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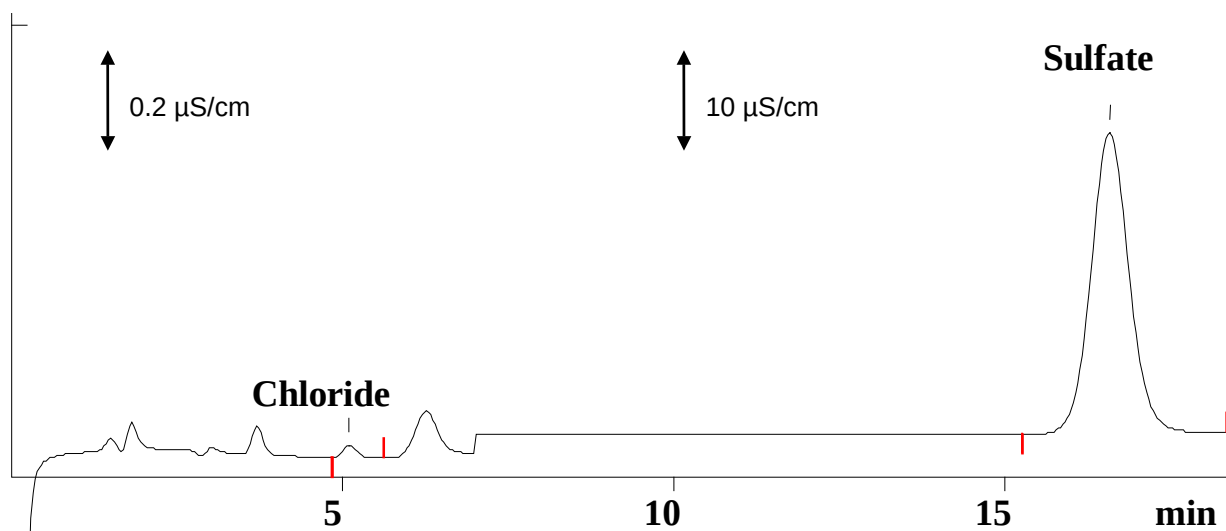
Column:	6.1006.100 Metrosep Anion Dual 2
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Eluent:	2.0 mmol/L sodium hydrogencarbonate, 1.3 mmol/L sodium carbonate
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Suppressor:	Metrohm Suppressor Module (MSM, 50 mmol/L H ₂ SO ₄)
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Flow:	0.8 mL/min
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Injection Volume:	20 µL
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Results:	Cl ⁻ mg/L
	14.8