

# IC Application Note No. N-6

**Title:** Five anions in dried potatoes

**Summary:** Determination of chloride, nitrate, phosphate, sulfate and oxalate in dried potatoes using anion chromatography with direct conductometric detection.

**Sample:** Dried potatoes

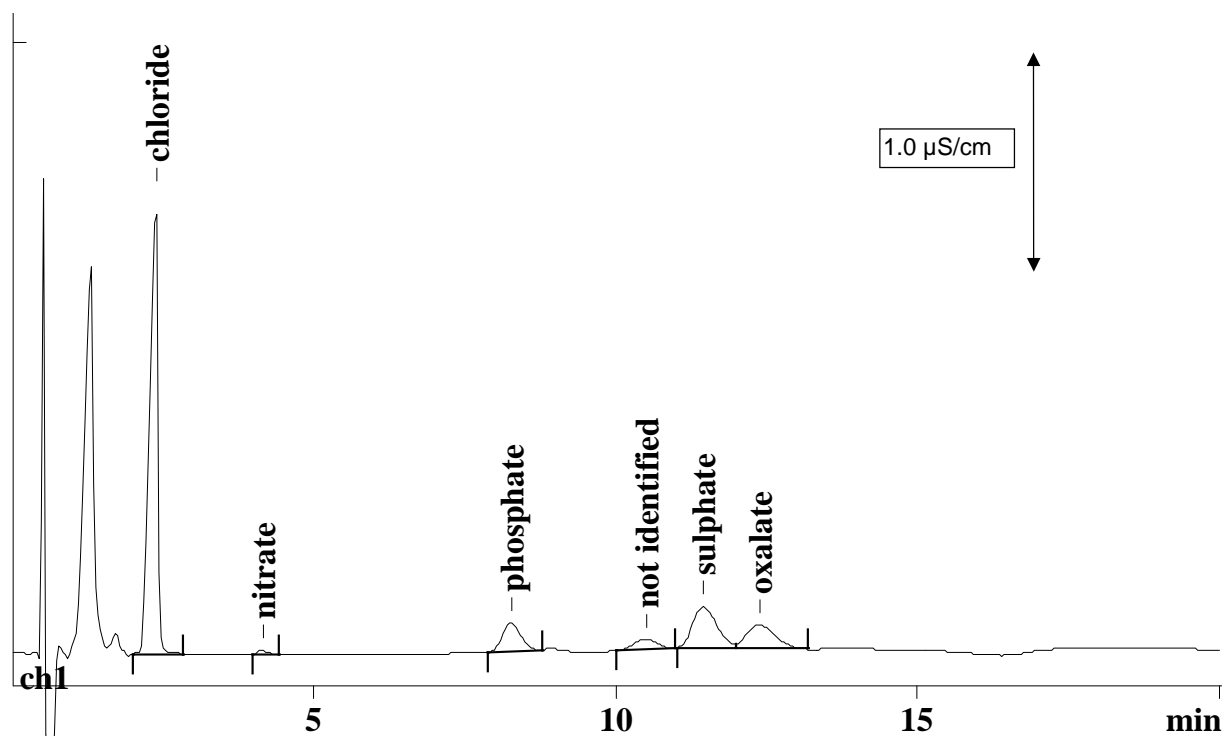
**Sample Preparation:** Sample homogenized in ultra pure water, microfiltration

**Column:** 6.1005.000 Hamilton PRP X-100

**Eluent:** 3 mmol/L p-hydroxibenzoic acid, 0.75 mmol/l p-hydroxi-benzonitrile, 2.5 % acetonitrile, pH = 8.5

**Flow:** 1.5 mL/min

**Injection Volume:** 100  $\mu$ L



<b>Results:</b>	Cl <sup>-</sup> mg/g	NO <sub>3</sub> <sup>-</sup> mg/g	HPO <sub>4</sub> <sup>2-</sup> mg/g	SO <sub>4</sub> <sup>2-</sup> mg/g	oxalate mg/g
		3.99	0.12	2.01	1.83