

IC Application Note No. S-271

Title: Fosetyl-aluminum in pesticide formulations

Summary: Determination of fosetyl-aluminum in a formulation using anion chromatography with conductivity detection after sequential suppression.

Sample: Fosetyl-aluminum formulation

Sample Preparation: 50 mg sample dissolved in 100 mL ultrapure water or eluent

Column: 6.1005.320 Metrosep A Supp 3 – 250

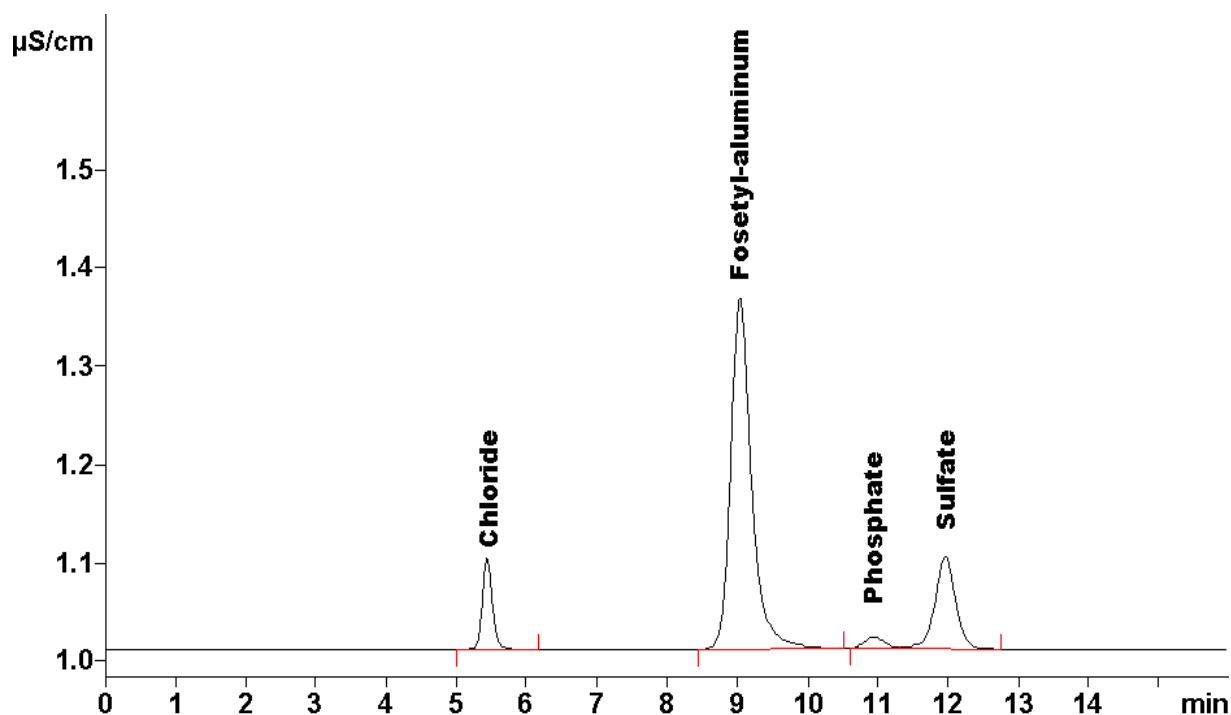
Temperature: 45 °C

Eluent: 1.8 mmol/L sodium carbonate
1.7 mmol/L sodium hydrogen carbonate

Suppressor: Sequential suppression (MSM: 50 mmol/L H₂SO₄)

Flow: 1.0 mL/min

Injection Volume: 0.25 µL



| Results: | Chloride | Fosetyl-aluminum % | Phosphate | Sulfate |
|-----------------|----------|--------------------|-----------|---------|
| | n.q. | 54.7 | n.q. | n.q. |