

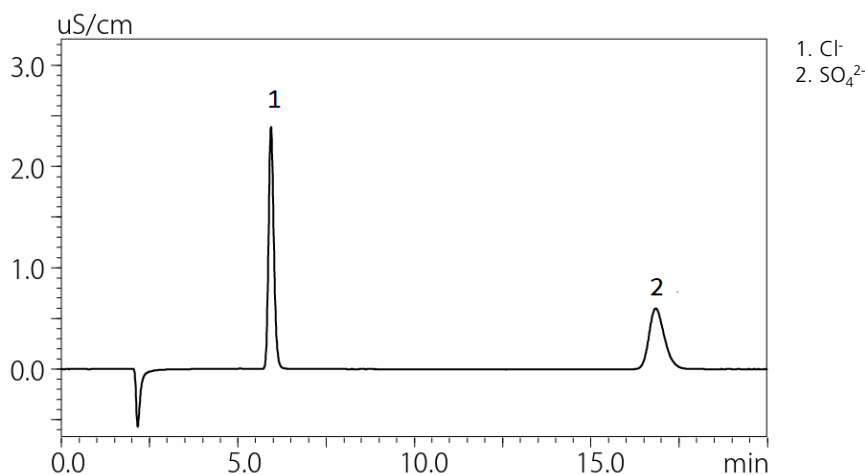
**CoreFocus**  
**Report**  
**No.446**

Ion Chromatography (IC)

Shim-pack Series

**Shim-pack™ IC-C4**  
**Analysis of Chloride and Sulfate Ions in**  
**Fuel Ethanol**

**Keywords: ASTM D7319-07, suppressor ion chromatograph, alternative fuel**



|                |                                                                             |
|----------------|-----------------------------------------------------------------------------|
| System         | : HIC-ESP                                                                   |
| Column         | : Shim-pack IC-SA2<br>(250 mm L x 4.0 mm I.D., 9 μm), P/N : 228-38983-91    |
| Guard Column   | : Shim-pack IC-SA2 (G)<br>(10 mm L x 4.6 mm I.D., 9 μm), P/N : 228-38983-92 |
| Mobile Phase   | : 0.6 mmol/L Sodium carbonate<br>12.0 mmol/L Sodium Hydrogen Carbonate      |
| Flow rate      | : 1.0 mL/min                                                                |
| Column temp.   | : 30 °C                                                                     |
| Injection vol. | : 5 μL                                                                      |
| Detection      | : Conductivity                                                              |
| Vial           | : Shimadzu Vial, LC, 4 mL Polypropylene, P/N; 228-31537-91                  |

Source : Application News an\_01-00265 ([JP](#), [ENG](#))

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