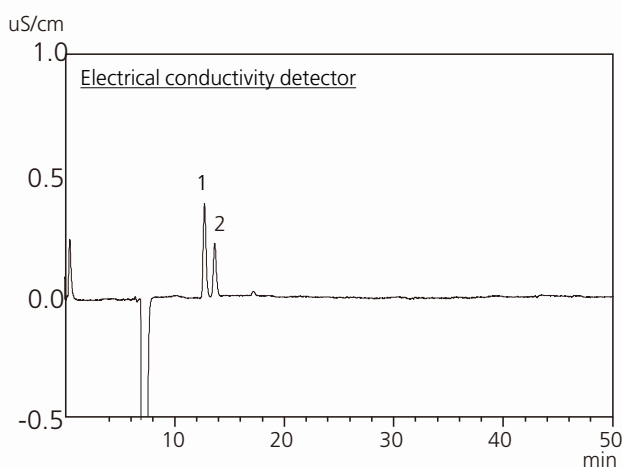


LC Ion-exclusion Shim-pack Series

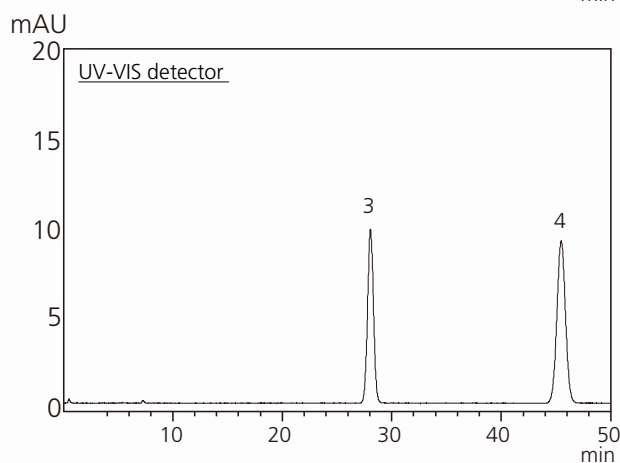
Shim-pack™ SCR-102H

Analysis of Organic Acids and Furfurals

Keywords: biomass, fuels, bioethanol, fermentation



1. Formic acid
2. Acetic acid
3. 5-Hydroxymethylfurfural
4. Furfural
(10 mg/L each)



System	: Organic acid analysis system
Column	: Shim-pack SCR-102H (300 mm L. x 8.0 mm I.D.), P/N : 228-17893-91
Guard column	: Guard column SCR-102H (50 mm L. x 6.0 mm I.D.), P/N : 228-17924-91
Mobile phase	: 5 mmol/L Perchloric acid aq. solution
Flowrate of mobile phase	: 0.8 mL/min
pH buffering solution	: 5 mmol/L Perchloric acid containing 20 mmol/L Bis-Tris and 0.1 mmol/L EDTA
Flow rate of pH buffering solution	: 0.8 mL/min
Column temp.	: 35 °C
Detection 1	: Electrical conductivity detector (CDD-10Avp) (Formic acid, acetic acid)
Detection 2	: UV-VIS detector (SPD-20AV) at 275 nm (5-hydroxymethylfurfural, furfural)
Injection vol.	: 10 µL

Source : Application News L485 ([JP_ENG](#))

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