

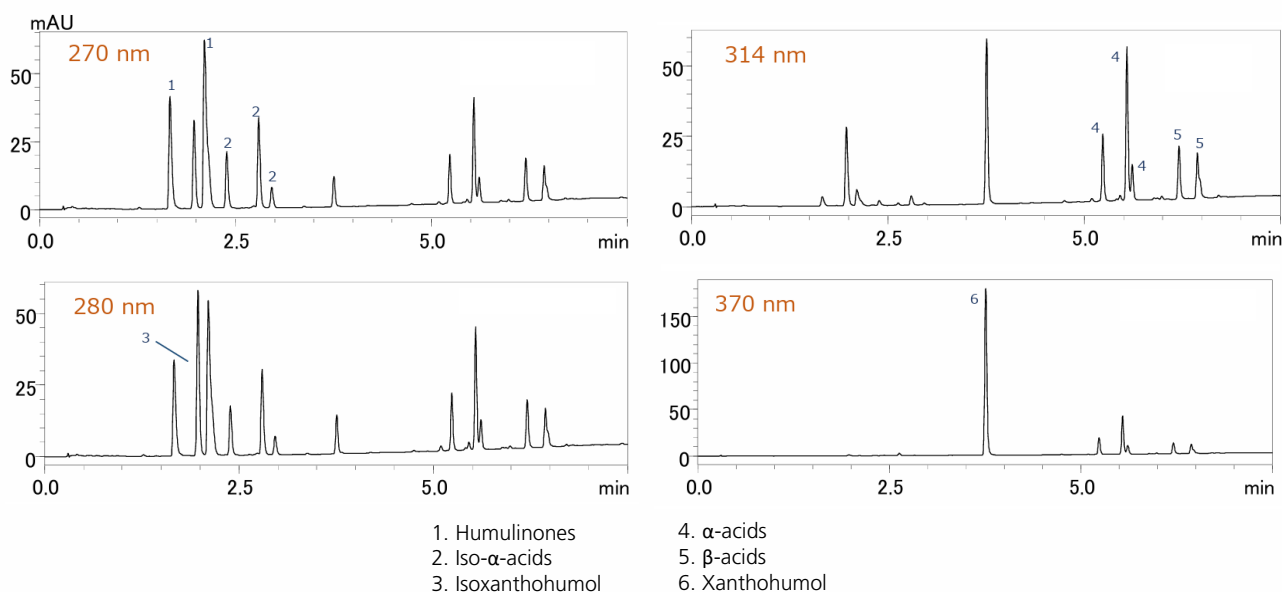
CoreFocus
Report
No.450

LC Reversed-phase Shim-pack™ Series

Shim-pack Velox™ C18

High-speed analysis of Xanthohumol

Keywords : Beer analysis, Flavonoids, European Brewery Convention 9.47



System	: Nexera™ X3
Column	: Shim-pack Velox C18 (50 mm L x 3.0 mm I.D., 1.8 μm), P/N : 227-312008-01
Mobile phase*	: A) 10 mmol/L (sodium) phosphate buffer (pH2.6) + 0.2 mmol/L EDTA·2Na aq. B) Methanol
Time Program	: B Conc. 50 % (0 min) - 90 % (6 min) - 90 % (7 min) - 50 % (7.01-8 min)
Flow rate	: 0.7 mL/min
Column temp.	: 40 °C
Injection vol.	: 5 μL
Detection	: PDA (SPD-M40), Standard cell
Vial	: SHIMADZU LabTotal™ Vial, LC, 1.5 mL, Glass, P/N : 227-34001-01

* Mobile phase A: Sodium dihydrogen phosphate dihydrate 5 mmol (1.5619 g) and Phosphoric acid (85 %, 14.7 mol/L) 5 mmol (0.68 mL) and EDTA·2Na 148.47 mg are dissolved in 2 L deionized water.

Source : Application News an_01-00375 ([JP](#), [ENG](#))

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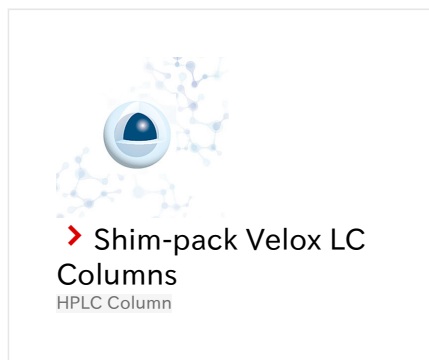
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