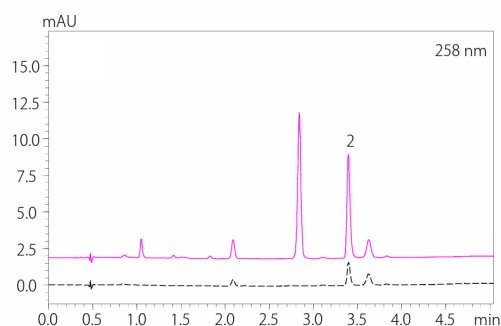
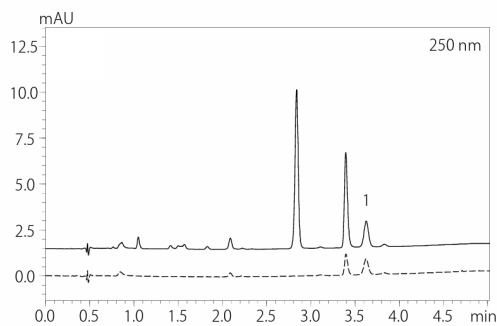


**CoreFocus**  
**Report**  
**No.438**

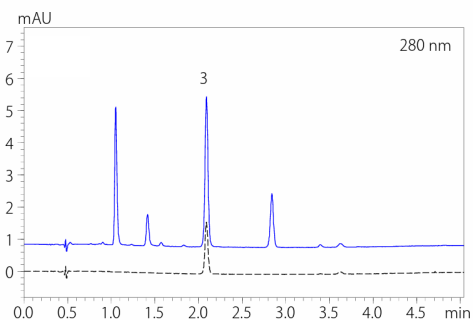
LC   Reversed-phase   Shim-pack™ Series

**Shim-pack Arata™ C18**  
**High-speed analysis of Active Ingredients**  
**in Mouthwash**

**Keywords:** dipotassium glycyrrhizate (GK2), cetylpyridinium chloride (CPC), isopropyl methylphenol (IPMP)



1. GK2
2. CPC
3. IPMP  
(5 mg/L)



System	: Nexera™ XR
Column	: Shim-pack Arata C18 (75 mm L x 3.0 mm I.D., 2.2 μm), P/N: 227-32802-02
Mobile phase	: A) 20mmol/L (Sodium) phosphate buffer (pH 2.6) B) Methanol
Time Program	: 60%B (0 min)→80%B (4.00-4.50 min) →60%B (4.51-7.00 min)
Flow rate	: 0.8 mL/min
Mixer	: 180 μL
Column temp.	: 45 °C
Detection	: 250 nm (GK2), 258 nm (CPC), 280 nm (IPMP) (STD cell for SPD-M40)
Injection vol.	: 5 μL
Vial	: SHIMADZU LabTotal™ for LC 1.5 mL, Glass, P/N: 227-34001-01

Source : Application News an\_01-00505 ([JP](#), [ENG](#))

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