

CoreFocus Report

No.551

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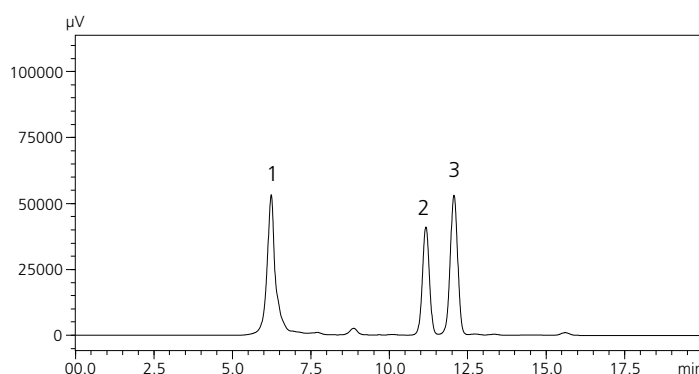
Size exclusion and Sodium-based ligand exchange mode

Shim-pack Series

Shim-pack™ SUR-Na

Analysis of fructose glucose syrup in lemon juice soft drink

Keywords: Sugars, Food additive, High fructose corn syrup



1. Organic acids (citric acid and ascorbic acid) and polysaccharides
2. Glucose
3. Fructose

A sample was centrifuged (100 g, 3 minutes), and the supernatant was measured.

Instrument	: Nexera™ lite
Column	: Shim-pack SUR-Na (250 mm x 7.8 mm I.D., 8 μm) 1 pc, P/N : 228-59529-01
Guard column	: Shim-pack SUR-Na (G) (50 mm x 7.8 mm I.D., 8 μm), P/N : 228-59529-02
Mobile phase	: Water
Flow rate	: 0.6 mL/min
Column temp.	: 80°C
Injection volume	: 10 μL
Detector	: RID

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