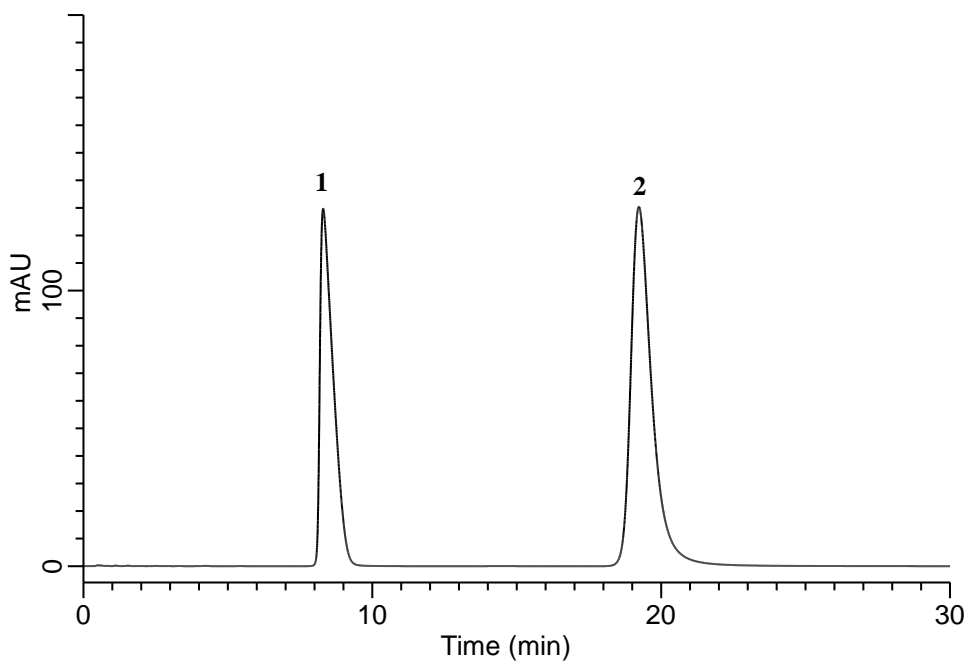


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Inertsil® Applications

Analysis of Cefazolin Sodium

Data No. LB746-7111



Conditions

System : Chromaster HPLC system (HITACHI)
Column : Inertsil ODS-P (GL Sciences Inc.)
(5 μ m, 100 x 4.0 mm I.D.)
Column Cat. No. : 5020-04734
Eluent : A) CH₃CN
B) Buffer*
A/B = 65/935, v/v
Flow Rate : 1.2 mL/min
Col. Temp. : 30 °C
Detection : UV 218 nm
Injection Vol. : 5 μ L
Sample : Standard

Analyte:

1. Cefazolin 1000 mg/L
2. *p*-Acetanisidide (I.S.) 550 mg/L
Resolution (1,2) : 10.5 (\geq 4)
RSD of the
peak area of 1 (%) (n=6) : 0.10 (\leq 1.0%)

* Dissolve 2.27 g of disodium hydrogenphosphate 12-water and 0.47 g of citric acid monohydrate in water to make 935 mL.