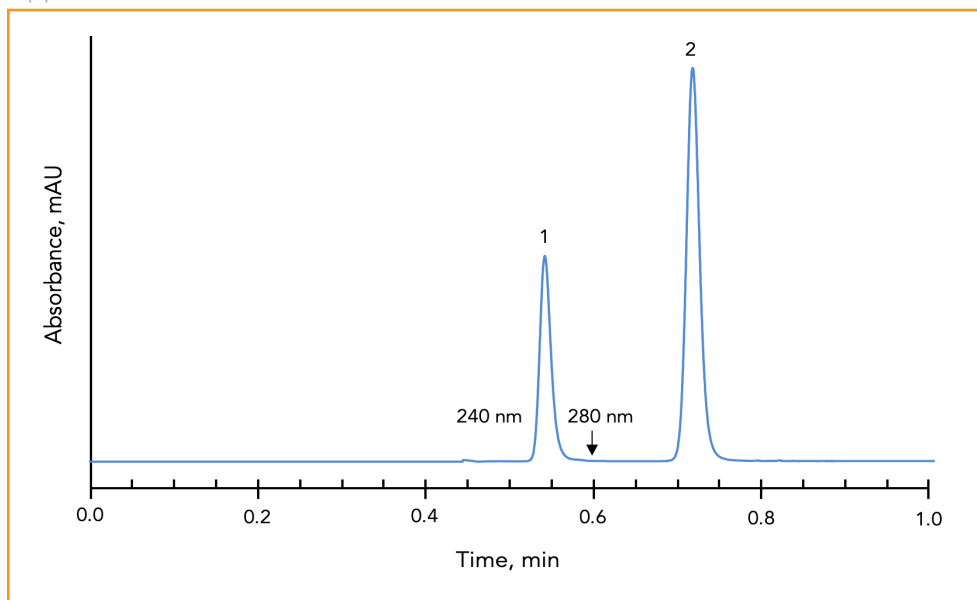




Isocratic Separation of Amphenicols on HALO® Phenyl-Hexyl Phase

Application Note 57-AM



PEAK IDENTITIES:

1. Thiamphenicol
2. Chloramphenicol

This separation shows a rapid HPLC method for the analysis of amphenicols on HALO® Phenyl-Hexyl stationary phase. To improve the sensitivity of detection, the first peak was monitored at 240 nm and the second at 280 nm.

TEST CONDITIONS:

Column: HALO 90 Å Phenyl-Hexyl, 2.7 µm,
4.6 x 50 mm

Part Number: 92814-406

Mobile Phase: 55/45 - A/B

A: 0.025 M ammonium acetate buffer, pH 5.8

B: Acetonitrile

Flow Rate: 1.0 mL/min

Pressure: 94 bar

Temperature: 35 °C

Detection: UV 240/280 nm, VWD

Injection Volume: 0.3 µL

Sample Solvent: Acetonitrile

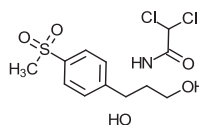
Response Time: 0.02 sec

Flow Cell: 2.5 µL semi-micro

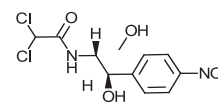
LC System: Shimadzu Prominence UFLC XR

Extra column volume: ~14 µL

STRUCTURES:



Thiamphenicol



Chloramphenicol

