Gases
Permanent gases on a thick film column

Application Note

Environmental

Authors
Agilent Technologies, Inc.

Introduction
Gas chromatography with a thick film Agilent CP-Molsieve column separates four permanent gases in five minutes.
Conditions

Technique: GC-wide-bore
Column: Agilent CP-Molsieve 5Å, 0.53 mm x 25 m fused silica
PLOT CP-Molsieve 5Å (df = 50 μm)
(Part no. CP7538)
Temperature: 30 °C
Carrier Gas: H₂
Injector: Split, 100 mL/min
Detector: TCD
Sample Size: 10 μL
Concentration Range: % range

Peak identification

1. helium
2. neon
3. argon
4. oxygen
5. nitrogen

Remarks:

1. For same application on a thin film column see Application Note 1248
2. For same application at 100 °C oven temperature see Application Note 1247