Permanent gases
Fast separation of oxygen and nitrogen

Application Note

Environmental

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Introduction
Gas chromatography with a custom-made Agilent CP-Molsieve 5Å column separates oxygen and nitrogen in four seconds.
**Conditions**

Technique: GC-capillary

Column: Agilent CP-Molsieve 5Å, 0.32 mm x 0.5 m fused silica PLOT Molsieve 5Å (30.0 µm) (Custom-made)

Temperature: 25 °C

Carrier Gas: H₂, 10 kPa (0.1 bar, 1.5 psi), 56 cm/s

Injector: Splitter, 200 mL/min

Detector: micro TCD

Sample Size: 30 µL

**Peak identification**

1. oxygen
2. nitrogen