

Datasheet

Micro GC Fusion® Application Datasheet - Helium Impurities

Introduction

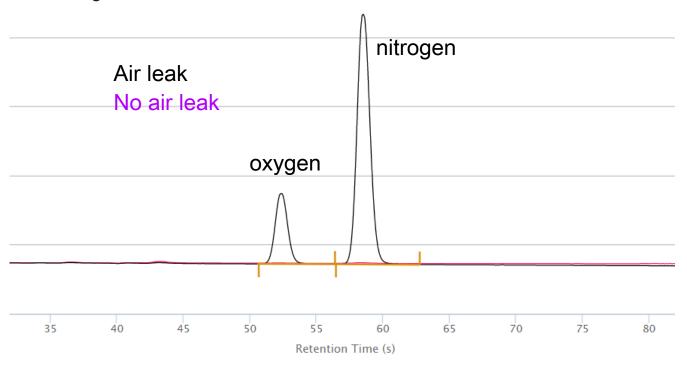
This datasheet highlights the 10 m Molsieve module used to test for air in helium. Two chromatograms are overlaid below - one with the presence of air and one without.

Starting Parameters

These parameters can be used as a starting point for creating a method and can be adjusted to ensure all compounds are fully separated. Exact retention times will vary from GC to GC, but the compound order remains the same.

| Method Parameter | Module – 10 m Molsieve, Backflush Injector (GCM-W02) |
|---------------------------------|--|
| Inject time | 40 ms |
| Backflush time | 10 s |
| Injector temperature | 90°C |
| TCD temperature | 70°C |
| Column pressure and carrier gas | 30 psi, 99.999% helium |
| Column temperature | 100°C (120 s) |
| Sample pump time | 60 s |
| Sample inlet temperature | 50°C |

Chromatogram







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