

Micro GC Fusion® Application Datasheet - Hydrogen Impurities

Introduction

This datasheet highlights the 10 m Molsieve module used to test for air in hydrogen. 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	20 psi, 99.999% hydrogen
Column temperature	100°C (60 s)
Sample pump time	60 s
Sample inlet temperature	50°C

Chromatogram



