



## Solvents

# Analysis of impurities in methanol

## Application Note

Materials Testing & Research

### Authors

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### Introduction

Agilent PoraBOND U provides excellent inertness for highly polar compounds such as alcohols. Impurity analysis can be done effectively due to the good peak shape for a large range of solvents. The highly pure PoraBOND U porous polymer has a stability up to 300 °C with very low bleed. This will allow detection at high sensitivity settings.



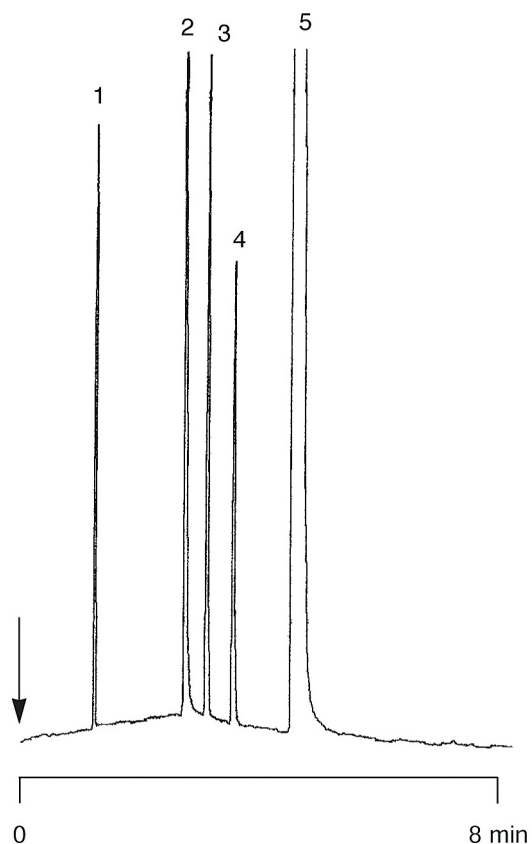
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## Conditions

Technique : GC-capillary  
Column : Agilent PoraBOND U, 0.32 mm x 25 m fused silica  
PLOT (df = 7  $\mu$ m) (Part no. CP7381)  
Temperature : 60 °C (0 min)  $\rightarrow$  110 °C, 5 °C/min;  
110 °C  $\rightarrow$  190 °C, 10 °C/min  
Carrier Gas : He, 50 kPa (0.5 bar, 7 psi)  
Injector : Split, 1:30  
T = 250 °C  
Detector : PDD HeID mode D-4-1 (Valco),  
T = 250 °C  
Sample Size : 20  $\mu$ L headspace  
Concentration Range : % level  
  
Courtesy : C. Duvekot, Agilent application laboratory,  
Middelburg, The Netherlands

## Peak identification

1. air
2. water
3. methylchloride
4. dimethylether
5. methanol



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This information is subject to change without notice.

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