



# Propanal in propylene oxide

## Application Note

Energy & Fuels

### Authors

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### Introduction

With an Agilent PoraBOND U porous polymer PLOT column, propanal is retained and can be separated from propylene oxide. The PoraBOND U provides high retention for volatile compounds and can be used up to 300 °C. The PoraBOND series are highly inert and stable due to the bonded integrated adsorption layer.



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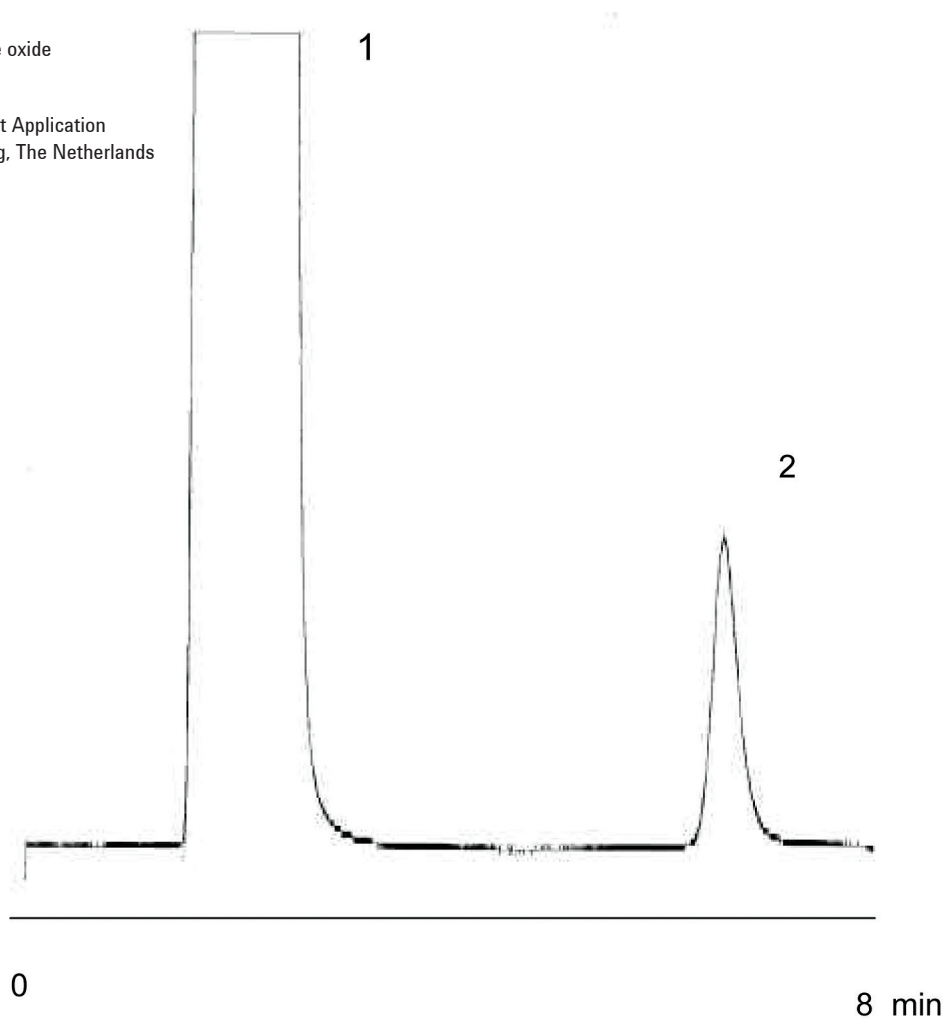
## Conditions

Technique : GC  
Column : Agilent PoraBOND U, 0.32 mm x 25 m fused silica  
Part no. CP7381  
Temperature : 125 °C  
Carrier Gas : Helium, 45 kPa  
Injector : Split, 100 mL/min  
Detector : FID  
Sample Size : 0.2 µL  
Concentration Range : 1000 ppm in propylene oxide

Courtesy : Norbert Reuter, Agilent Application  
Laboratory, Middelburg, The Netherlands

## Peak identification

1. propylene oxide
2. propanal



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This information is subject to change without notice.

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