



# Phenols

## Application Note

Materials Testing & Research

### Authors

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### Introduction

Gas chromatography using an Agilent CP-Sil 43 CB column separates 14 phenols in about 50 minutes.



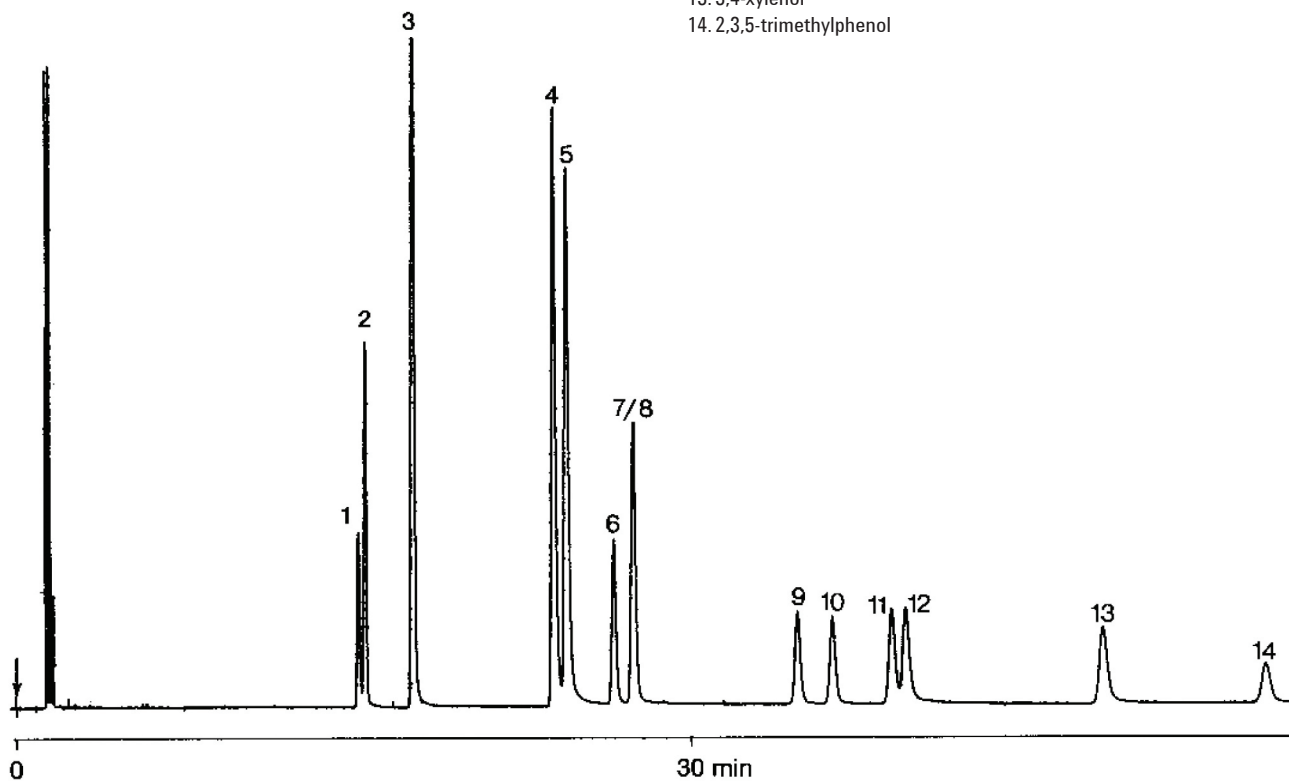
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## Conditions

Technique : GC-capillary  
Column : Agilent CP-Sil 43 CB, 0.22 mm x 25 m fused silica  
WCOT CP-Sil 43 CB (0.2 µm) (part no. CP7715)  
Temperature : 100 °C  
Carrier Gas : He, 135 kPa (1.35 bar, 20 psi), 28 cm/s  
Injector : Splitter, 100 mL/min  
Detector : FID,  $4 \times 10^{-12}$  Afs

## Peak identification

1. phenol
2. 2,6-xyleneol
3. o-cresol
4. p-cresol
5. m-cresol
6. o-ethylphenol
7. 2,4-xyleneol
8. 2,5-xyleneol
9. 2-isopropylphenol
10. 2,3-xyleneol
11. 3,5-xyleneol
12. p-ethylphenol
13. 3,4-xyleneol
14. 2,3,5-trimethylphenol



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This information is subject to change without notice.

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