



Aniline purity

Application Note

Materials Testing & Research

Authors

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Introduction

The analysis of trace impurities in aniline takes 15 minutes with an Agilent FactorFour VF-1701ms GC column.



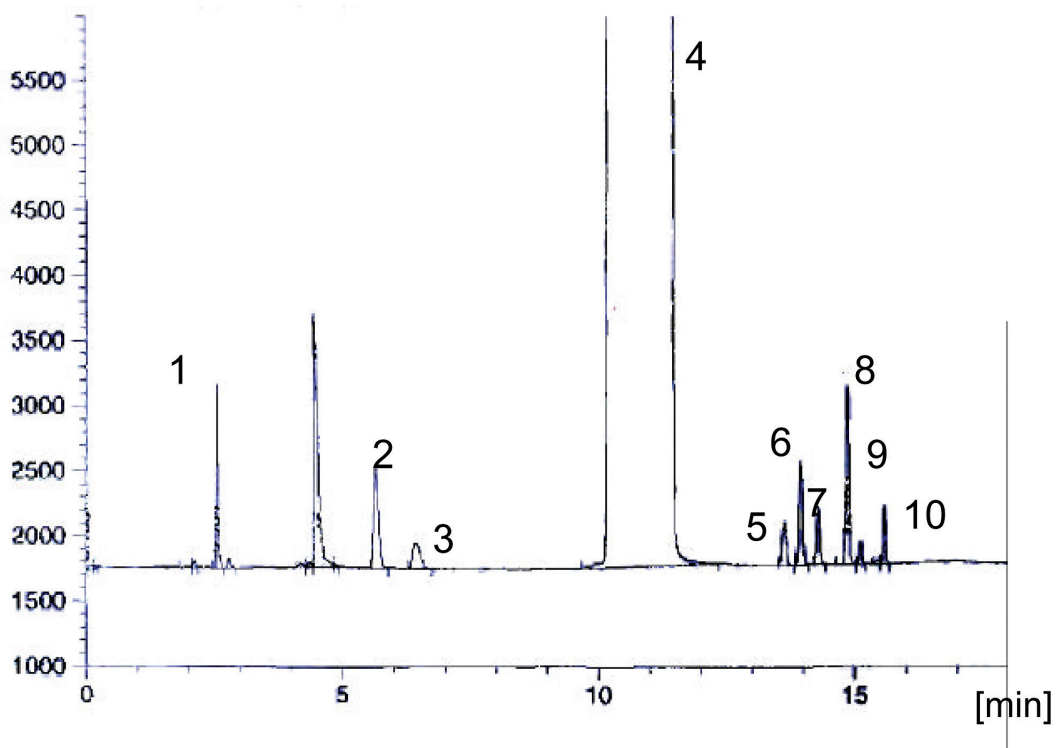
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Conditions

Technique : GC-capillary
Column : Agilent FactorFour VF-1701ms, 0.25 mm x 30 m
fused silica (df = 1.0 μ m) (Part no. CP9152)
Temperature : 120 °C (13 min) \rightarrow 180 °C, 20 °C/min (8 min)
Carrier Gas : N₂, 123 kPa
Injector : Split, 1 μ L
T : 250 °C
Detector : FID
T : 300 °C
Sample : aniline

Peak identification

1. benzene
2. cyclohexanol
3. cyclohexanone
4. aniline
5. n,n-dimethylaniline
6. phenol
7. n-methyl aniline
8. p + o toluidine
9. m-toluidine
10. nitrotoluene



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This information is subject to change without notice.

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