

Amines and ammonia

Analysis of impurities in amine streams

Application Note

Materials Testing & Research

Authors

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Introduction

For the analysis of polar impurities in amine streams a highly inert and stable column is required the Agilent CP-Volamine shows excellent separation of methanol and ethanol from volatile amines. Also, water and ammonia elute as sharp peaks. Amines can be measured in the presence of water.



Conditions

Technique : GC-capillary

Column : Agilent CP-Volamine, 0.32 mm x 60 m fused silica

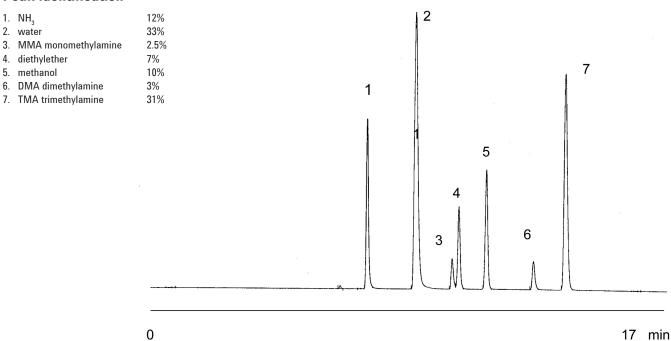
(df =optimized) (Part no. CP7448)

Temperature : 40 °C, 10 min \rightarrow 250 °C, 20 °C/min

Carrier Gas : Helium, approx. 68 kPa

 $\begin{tabular}{ll} Injector & : Split 1:50 \\ Detector & : TCD \\ Sample Size & : 0.5 ~\mu L \\ Concentration Range & : % range \\ \end{tabular}$

Peak identification



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This information is subject to change without notice.

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Printed in the USA
31 October, 2011

First published prior to 11 May, 2010

A01994

