



# Monomethylamine in water

## Application Note

Environmental

### 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 elution of water and monomethylamine (MMA). In this method the MMA was measured to be 40.8%. This component was also determined via a titration method and resulted in 41.2%. The GC method matched very well.



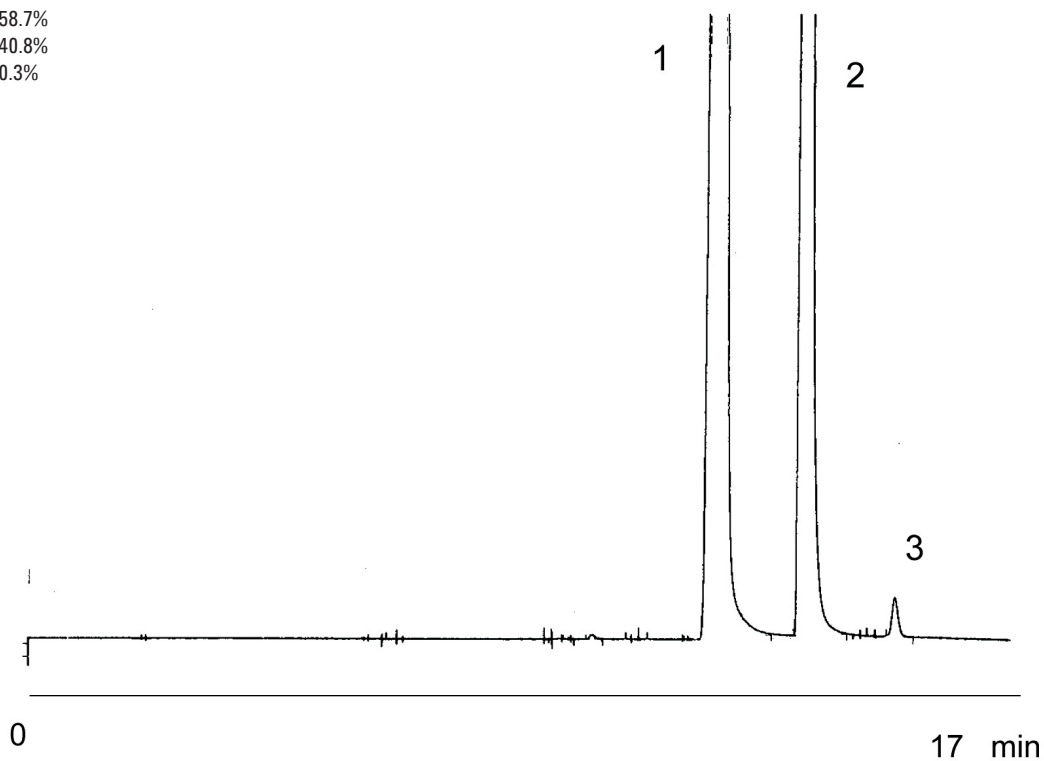
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## Conditions

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 → 250 °C, 20 °C/min  
Carrier Gas : Helium, approx. 68 kPa  
Injector : Split 1:50  
Detector : TCD  
Sample Size : 0.6 µL  
Concentration Range : % range

## Peak identification

1. water	58.7%
2. MMA monomethylamine	40.8%
3. methanol	0.3%



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This information is subject to change without notice.

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