Introduction

AEEA (2-aminoethyl ethanolamine), is a very polar compound and is difficult to analyze as it is often irreversibly adsorbed on most columns. Agilent CP-Volamine provides high degree of inertness for symmetrical elution of this highly polar amine.
**Conditions**

**Technique**: GC-capillary

**Column**: Agilent CP-Volamine, 0.32 mm x 60 m fused silica WCOT (Part no. CP7448)

**Temperature**: 100 °C (0 min) → 200 °C, 5 °C/min;

**Carrier Gas**: H₂, 100 kPa (1 bar, 14 psi)

**Injector**: Split, 1:100, T = 250 °C

**Detector**: FID, T = 250 °C

**Sample Size**: 0.2 μL

5 ng of AEEA on the column

**Concentration Range**: 0.1% level

**Solvent Sample**: hexane

**Peak identification**

1. MEA (mono ethanol amine)
2. AEEA (2-aminoethyl ethanolamine) or
   N-(2-hydroxyethyl)ethylenediamine cas nr 111-41-1

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