

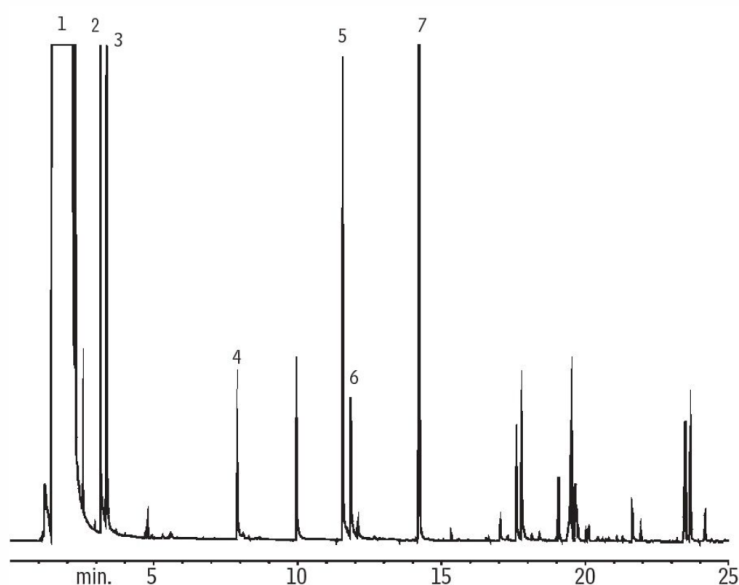
**CoreFocus**  
**Report**  
**No. 457**

GC FID SH Series

**SH-5 Amine**

**Analysis of Ethylenediamines**

**Keywords: underivatized amines, basic compounds**



- 1. Isopropanol
- 2. Monoethanolamine
- 3. Ethylenediamine
- 4. Piperazine
- 5. Diethylenetriamine
- 6. Aminoethylethanolamine
- 7. Aminoethylpiperazine

Instrument	: GC
Column	: SH-5 Amine (30 m x 0.25 mm I.D. df = 0.50 µm), P/N: 227-36283-01
Column temp.	: 40 °C (4 min) - 10 °C/min - 315 °C (5 min)
Inj. vol.	: 3 µL
Split ratio	: 1:20
Inj. temp.	: 315 °C
Detector	: FID, 6.4 x 10 <sup>-11</sup> AFS
Dead time	: 1.9 min
Head pressure	: 8.7 psi [60 kPa] (constant)
Carrier gas	: H <sub>2</sub> , 43 cm/s linear velocity at 120 °C

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