

CoreFocus
Report
No. 460

GC

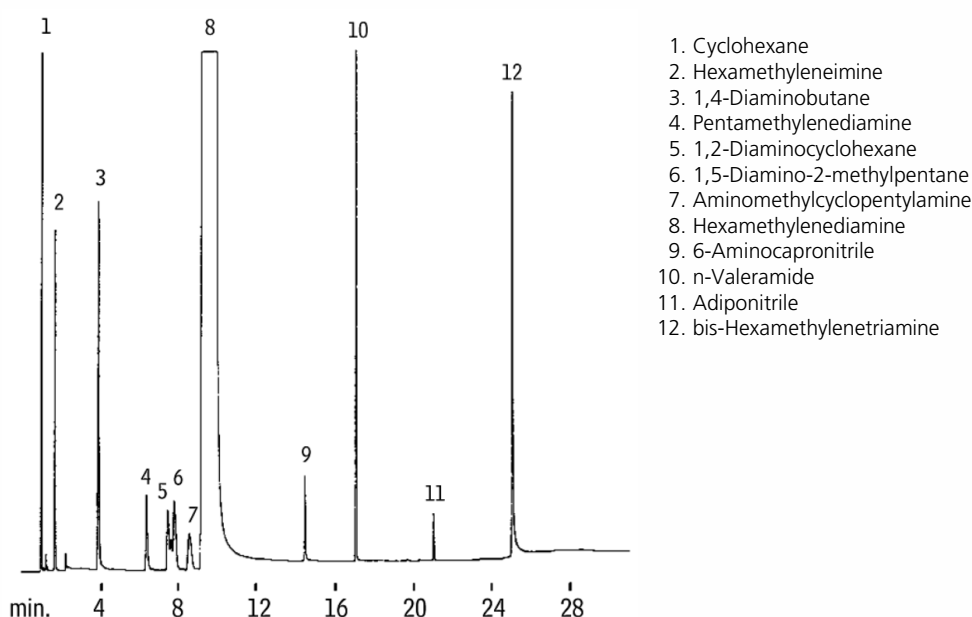
FID

SH Series

SH-PolarX

Analysis of Hexamethylenediamine

Keywords: Underivatized amines, Basic compounds



1. Cyclohexane
2. Hexamethyleneimine
3. 1,4-Diaminobutane
4. Pentamethylenediamine
5. 1,2-Diaminocyclohexane
6. 1,5-Diamino-2-methylpentane
7. Aminomethylcyclopentylamine
8. Hexamethylenediamine
9. 6-Aminocapronitrile
10. n-Valeramide
11. Adiponitrile
12. bis-Hexamethylenetriamine

Instrument	: GC
Column	: SH-PolarX (30 m x 0.53 mmI.D. df = 0.50 µm), P/N: 227-36299-01
Column temp.	: 95 °C (1 min) – 7 °C/min - 235 °C (2 min)
Inj. vol.	: 0.2 µL direct injection of a neat Hexamethylenediamine sample onto a Uniliner® liner
Split ratio	: 1:10
On-column conc.	: Primary amines, 50 µg/mL in water
Inj./Det. temp.	: 255 °C
Detector	: FID, 64 x 10 ⁻¹¹ AFS
Carrier gas	: H ₂ , 40 cm/s linear velocity (flow rate: 5 mL/min)
Inlet liner	: Uniliner liner

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