

## Polyethyleneamines

**Column: DB-5ms**

30 m x 0.25 mm I.D., 0.5 µm

**J&W P/N: 122-5536**

Carrier: Helium at 30 cm/sec, measured at 100°C

Oven: 100°C for 1 min

100-320°C at 20°/min

Injector: Split 1:50, 250°C

1 µL of 100 ng/µL standard in methanol

Detector: FID, 300°C

Nitrogen makeup gas at 30 mL/min

1. Ethylenediamine
2. Diethylenetriamine
3. Triethylenetetramine
- 3.\* Branched and piperazine analogs of peak #3
4. Tetraethylenepentamine
- 4.\* Branched and piperazine analogs of peak #4

