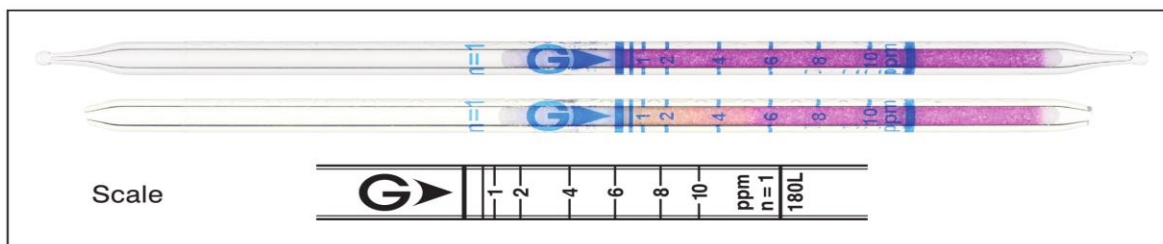


Amines R·NH₂

Part No.: 180L

Amines R·NH₂

No.180L

**Performance**

The minimum scale value (0.5ppm) is not printed on the tube, but only the scale line is printed.
This detector tube is calibrated with Monomethyl amine.

Measuring range	(0.5) to 10 ppm (See the table below for individual amines)
Number of pump strokes	1 (100 mL)
Correction factor	See the table below
Sampling time	1 min
Detecting limit :	0.1 ppm (1 pump stroke)
Colour change :	Pink → See the table below.
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction used Relative humidity 0 to 90 % correction not used
Relative standard deviation :	10 % (for 0.5 to 2 ppm) , 5 % (for 2 to 10 ppm)
Tube quantity and number of tests per box :	10 tubes for 10 tests
Shelf life :	36 months

Reaction principle**Amines measurable with this detector tube**

Substance	n	Correction factor	Measuring range (ppm)	Changes colour to
Allylamine	1	0.8	0.4 - 8	Pale yellowish orange
Butylamine	1	1.1	0.55 - 11	Pale yellowish orange
Cyclohexylamine	1	1.0	0.5 - 10	Pale yellowish orange
Di-n-butylamine	1	0.8	0.4 - 8	Pale yellowish orange
Diethylamine	1	0.9	0.45 - 9	Pale yellowish orange
Diethylaminoethanol	1	1.2	0.6 - 12	Pale yellowish orange
Diethylenetriamine	1	1.9	0.95 - 19	Grayish purple (Pale orange at the end of staining) *
Diisopropylamine	1	0.6	0.3 - 6	Pale yellowish orange
Dimethylamine	1	0.9	0.45 - 9	Pale yellowish orange
2-Dimethylaminoethanol	1	1.3	0.65 - 13	Pale yellowish orange
Dimethylaminopropylamine	1	1.2	0.6 - 12	Pale yellowish orange
N,N-Dimethylethylamine	1	0.6	0.3 - 6	Pale yellowish orange
Dipropylamine	1	0.7	0.35 - 7	Pale yellowish orange
Ethanolamine	1	3.9	1.95 - 39	Grayish purple (Pale orange at the end of staining) *
Ethylamine	1	0.9	0.45 - 9	Pale yellowish orange
Ethylenediamine	1	1.8	0.9 - 18	Pale yellowish orange
N-Ethylmorpholine	1	0.6	0.3 - 6	Pale yellowish orange
Hexamethylenediamine	1	3.1	1.55 - 31	Grayish purple (Pale orange at the end of staining) *
Hexylamine	1	1.3	0.65 - 13	Pale yellowish orange
Isopropylamine	1	0.9	0.45 - 9	Pale yellowish orange
Methylamine	1	1.0	0.5 - 10	Pale yellowish orange
Morpholine	1	1.0	0.5 - 10	Pale yellowish orange
N-Methylmorpholine	1	0.6	0.3 - 6	Pale yellowish orange
Pentamethylenediamine	1	1.5	0.75 - 15	Grayish purple (Pale orange at the end of staining) *
Propylamine	1	1.0	0.5 - 10	Pale yellowish orange
Propyleneimine	1	0.7	0.35 - 7	Pale yellowish orange
Tetramethylenediamine	1	1.6	0.8 - 16	Grayish purple (Pale orange at the end of staining) *
Triethylamine	1	0.6	0.3 - 6	Pale yellowish orange
Trimethylamine	1	0.5	0.25 - 5	Pale yellowish orange

* Pale yellowish orange when low concentration

Calibration gas generation

Permeation tube method