

Performance

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)

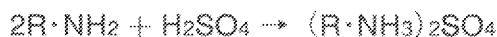
Colour change : Pink → See the table below.

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 10 % (for 0.5 to 2 ppm), 5 % (for 2 to 10 ppm)

Shelf life : 2 years

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	Yellow or Pale orange
Butylamine	1	1.1	0.55-11	Yellow or Pale orange
Cyclohexylamine	1	1.0	0.5-10	Yellow or Pale orange
Di-n-butylamine	1	0.8	0.4-8	Yellow or Pale orange
Diethylamine	1	0.9	0.45-9	Yellow or Pale orange
Diethylaminoethanol	1	1.2	0.6-12	Yellow or Pale orange
Diethylenetriamine	1	1.9	0.95-19	Grayish purple
Diisopropylamine	1	0.6	0.3-6	Yellow or Pale orange
Dimethylamine	1	0.9	0.45-9	Yellow or Pale orange
2-Dimethylaminoethanol	1	1.3	0.65-13	Yellow or Pale orange
Dimethylaminopropylamine	1	1.2	0.6-12	Yellow or Pale orange
N,N-Dimethylethylamine	1	0.6	0.3-6	Yellow or Pale orange
Dipropylamine	1	0.7	0.35-7	Yellow or Pale orange
Ethanolamine	1	3.9	1.95-39	Grayish purple
Ethylamine	1	0.9	0.45-9	Yellow or Pale orange
Ethylenediamine	1	1.8	0.9-18	Yellow or Pale orange
N-Ethylmorpholine	1	0.6	0.3-6	Yellow or Pale orange
Hexamethylenediamine	1	3.1	1.55-31	Grayish purple
Hexylamine	1	1.3	0.65-13	Yellow or Pale orange
Isopropylamine	1	0.9	0.45-9	Yellow or Pale orange
Methylamine	1	1.0	0.5-10	Yellow or Pale orange
Morpholine	1	1.0	0.5-10	Yellow or Pale orange
N-Methylmorpholine	1	0.6	0.3-6	Yellow or Pale orange
Pentamethylenediamine	1	1.5	0.75-15	Grayish purple
Propylamine	1	1.0	0.5-10	Yellow or Pale orange
Propyleneimine	1	0.7	0.35-7	Yellow or Pale orange
Tetramethylenediamine	1	1.6	0.8-16	Grayish purple
Triethylamine	1	0.6	0.3-6	Yellow or Pale orange
Trimethylamine	1	0.5	0.25-5	Yellow or Pale orange

Calibration gas generation

Permeation tube method or diffusion tube method