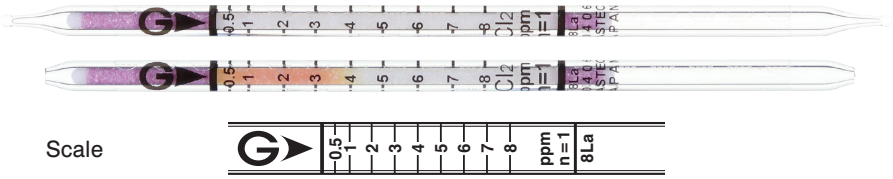
Chlorine Cl_2 No.8La



Performance

Measuring range	0.1 to 0.5 ppm	0.5 to 8 ppm	8 to 16 ppm
Number of pump strokes	2 to 5 (200 to 500 mL)	1 (100 mL)	1/2 (50 mL)
Correction factor	1/2 to 1/5	1	2
Sampling time	2 to 5 min	1 min	30 sec

Detecting limit : 0.05 ppm (5 pump strokes)
Colour change : White → Pale pink
Operating conditions : Temperature 0 to 40 °C (32 to 104 °F) correction not used
Relative humidity 0 to 90 % correction not used
Relative standard deviation : 10 % (for 0.5 to 2 ppm), 5 % (for 2 to 8 ppm)
Tube quantity and number of tests per box : 10 tubes for 10 tests
Shelf life : 36 months

Reaction principle

Cl_2 + 3, 3', 5, 5'-Tetramethylbenzidine → Pale pink product

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Nitric oxide		+	Pale pink
Ozone		+	Pale pink
Nitrogen dioxide		+	Pale pink
Chlorine dioxide		+	Pale pink
Bromine, Iodine		+	Pale pink

Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Bromine	Factor : 0.1	4	0.05 to 0.8 ppm
Chlorine dioxide	Factor : 0.6	1	0.3 to 4.8 ppm

Calibration gas generation

Permeation tube method