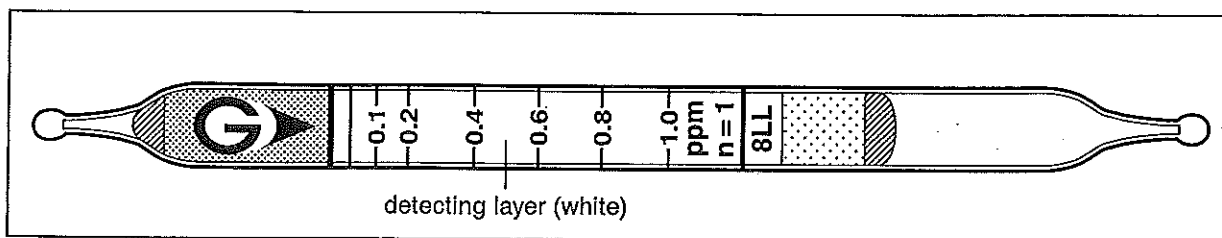


Chlorine Cl₂

No.8LL



Performance

Measuring range	0.025 to 0.05 ppm	(0.05) to 1.0 ppm	1.0 to 2.0ppm
Number of pump strokes	2 (200ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	0.5	1	2
Sampling time	4 min	2 min	1 min

Detecting limit : 0.005 ppm (2 pump strokes)

Colour change : White → Pale green

Corrections for temperature & humidity : Unnecessary

Relative standard deviation : 10 % (for 0.05 to 0.2 ppm), 5 % (for 0.2 to 1.0 ppm)

Shelf life : 1 year (in the refrigerator)

Reaction principle

Cl₂ + ABTS (White) → Pale green product

Possible coexisting substances and their interferences (NOTE : Page 2-5)

Substance	Concentration	Interference	Changes colour by itself to
Ammonia		No	} No
Carbon monoxide		No	
Carbon dioxide		No	
Hydrogen chlorine		No	
Nitrogen dioxide		+	} Pale green
Chlorine dioxide		+	
Halogen Gas (ex. Chlorine)		+	
Sulphur dioxide		No	No

Calibration gas generation

Permeation tube method