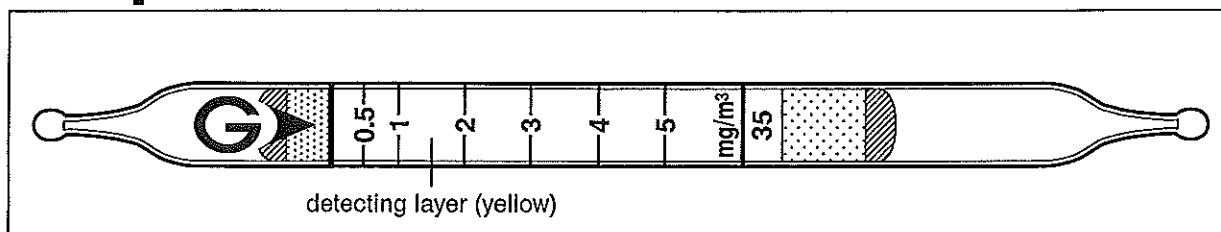


Sulphuric Acid H₂SO₄

No.35

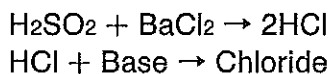


Performance

Measuring range	0.5 to 5 mg/m ³
Number of pump strokes	5 (500 ml)
Correction factor	1
Sampling time	5 min

Detecting limit : 0.2 mg/m³ (5 pump strokes)
 Colour change : Pale yellow → Reddish purple
 Corrections for temperature & humidity : Temperature correction is necessary.
 Relative standard deviation : 10 % (for 0.5 to 2 mg/m³), 5 % (for 2 to 5 mg/m³)
 Shelf life : 2 years

Reaction principle



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

Substance	Concentration	Interference	Changes colour by itself to
Hydrogen chloride	≥ 0.05ppm	+	} Reddish purple
Chlorine	≥ 0.8ppm	+	
Sulphur dioxide		No	No
Nitrogen dioxide	≥ 1 ppm	+	} Reddish purple
Hydrogen fluoride	≥ 0.1 ppm	+	

Calibration gas generation

Bubbling method