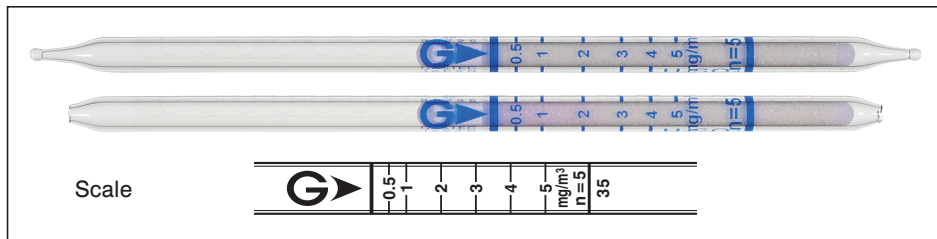


Sulphuric Acid H₂SO₄

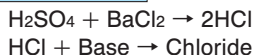
No.35



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/m ³ (5 pump strokes)
Colour change :	Pale yellow → Reddish purple
Operating conditions :	Temperature 5 to 40 °C (41 to 104 °F) correction used Relative humidity 0 to 90 % correction not used
Relative standard deviation :	10 % (for 0.5 to 2 mg/m ³), 5 % (for 2 to 5 mg/m ³)
Tube quantity and number of tests per box :	10 tubes for 10 tests
Shelf life :	24 months

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Hydrogen chloride	≧ 0.05ppm	+	} Reddish purple
Chlorine	≧ 1.5ppm	+	
Sulphur dioxide		No	No
Nitrogen dioxide	≧ 4 ppm	+	} Reddish purple
Hydrogen fluoride	≧ 0.5 ppm	+	

Calibration gas generation

Bubbling method