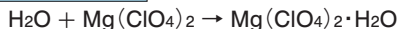


Performance

Measuring range	0.5 to 1 mg/L	1 to 18 mg/L	18 to 32 mg/L
Number of pump strokes	2 (200 mL)	1 (100 mL)	1/2 (50 mL)
Correction factor	1/2	1	by correction table
Sampling time	1.5 min	45 sec	30 sec

Detecting limit : 0.1 mg/L (2 pump strokes)
 Colour change : Yellowish green → Purple
 Operating conditions : Temperature 10 to 40 °C (50 to 104 °F) correction used
 Relative standard deviation : 10 % (for 1 to 6 mg/L), 5 % (for 6 to 18 mg/L)
 Tube quantity and number of tests per box : 10 tubes for 10 tests
 Shelf life : 36 months

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Acrylonitrile	≧ 5000 ppm	+	No
Alcohols	≧ 2000 ppm	+	
Ammonia	≧ 1000 ppm	+	
Esters	≧ 5000 ppm	+	
Hydrogen chloride	≧ 2000 ppm	+	
Hydrogen cyanide	≧ 500 ppm	+	
Hydrogen sulphide		No	
Ketones, Aldehydes	≧ 2000 ppm	+	
Nitrogen dioxide	≧ 500 ppm	+	
Sulphur dioxide	≧ 2000 ppm	+	

Calibration gas generation

Vapour pressure method