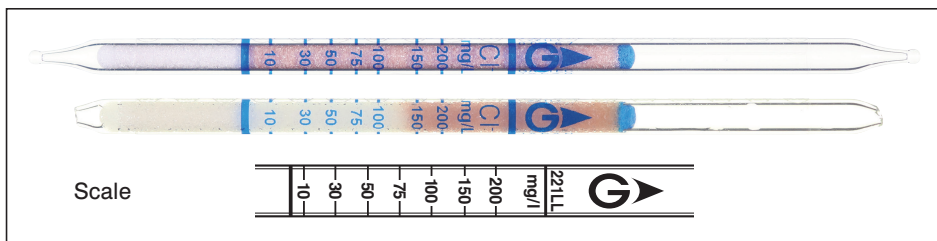


Chloride Ion Cl^-

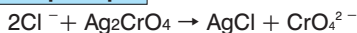
No.221LL



Performance

Measuring range	10 to 200 mg/L
Sampling time	1 min
Detecting limit :	3 mg/L
Colour change :	Brown → White
Operating conditions :	Water temperature 0 to 65 °C (32 to 149 °F) correction not used
pH value :	pH 3.0 to pH 11.0
Relative standard deviation :	15 % (for 10 to 50 mg/L), 10 % (for 50 to 200 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
Cyanide ion CN^-	≥ 10 mg/L	+	White (≥ 1 mg/L)
Bromide ion Br^-	≥ 10 mg/L	+	White (≥ 10 mg/L)
Thiocyanate ion SCN^-	≥ 1 mg/L	Unreadable	White (≥ 100 mg/L)
Iron (II) Fe^{2+}	≥ 20 mg/L	-	No (≤ 1000 mg/L)
Iron (III) Fe^{3+}	≥ 20 mg/L	+	White (≥ 20 mg/L)
Fluoride ion F^-	≥ 1000 mg/L	No	No (≤ 1000 mg/L)
Iodide ion I^-	≥ 20 mg/L	+	Pale yellow (≥ 20 mg/L)
Sulphide ion S^{2-}	≥ 3 mg/L	+	Blackish gray (≥ 3 mg/L)
Sulphate ion SO_4^{2-}	≥ 1000 mg/L	No	No (≤ 1000 mg/L)

Other substance measurable with this detector tube

Substance	Correction	Measuring range
Bromide ion Br^-	Factor : 2.4	24 to 480 mg/L

Calibration method

Sodium chloride ion standard solution