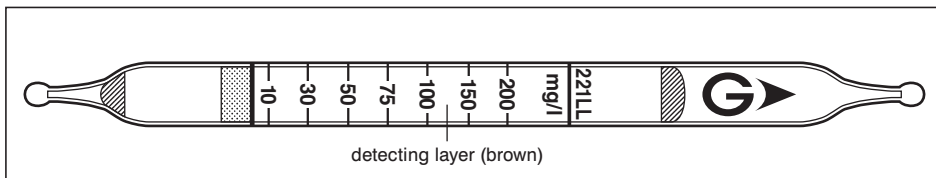


Chloride Ion Cl^-

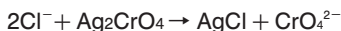
No.221LL



Performance

Measuring range	10 to 200 mg/l
Sampling time	1 min
Detecting limit :	3 mg/l
Colour change :	Brown → White
Corrections for water temperature :	Unnecessary (0 to 65°C)
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)
Shelf life :	3 years

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