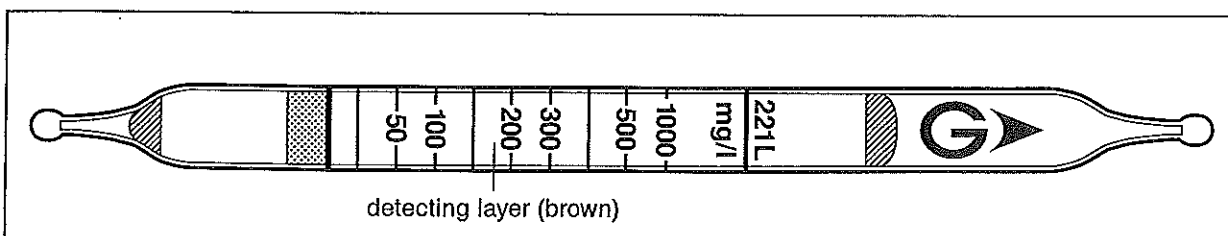


Chloride Ion Cl^-

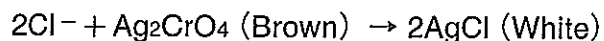
No.221L



Performance

Measuring range :	25 to 1000 mg/l
Sampling time :	3 minutes
Detecting limit :	1 mg/l
Colour change :	Brown → White
Corrections for water temperature :	Unnecessary (0 – 50°C)
pH value :	pH 3.0 – pH 11.0
Relative standard deviation :	15 % (for 25 to 300 mg/l) 10 % (for 300 to 1000 mg/l)
Shelf life :	3 years

Reaction principle



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

Substance	Concentration	Interference	Changes colour by itself to
CN^-	$\geq 1 \text{ mg/l}$	+	White
Br^-	$\geq 10 \text{ mg/l}$	+	White
SCN^-	$\geq 30 \text{ mg/l}$	+	White
Fe^{2+}	$\geq 200 \text{ mg/l}$	-	No ($\leq 1000 \text{ mg/l}$)
Fe^{3+}	$\geq 200 \text{ mg/l}$	-	White
F^-	$\geq 500 \text{ mg/l}$	-	No ($\leq 1000 \text{ mg/l}$)
I^-	$\geq 50 \text{ mg/l}$	+	White
S^{2-}	$\geq 5 \text{ mg/l}$	+	Blackish gray
SO_4^{2-}	$\geq 2000 \text{ mg/l}$	-	White

Calibration method

Sodium chloride standard solution