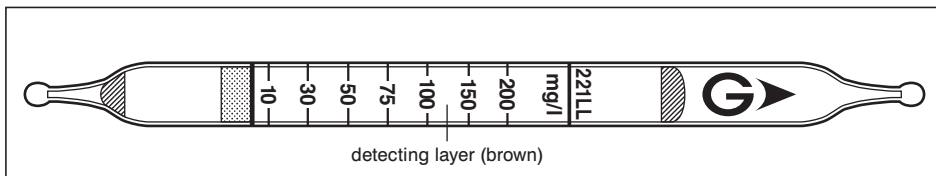


Chloride Ion Cl^-

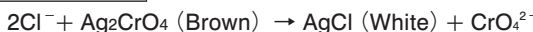
No.221LL



Performance

Measuring range	10 to 200 mg/l
Sampling time	1 minute
Detecting limit :	3 mg/l
Colour change :	Brown → White
Corrections for water temperature :	Unnecessary (0 – 65°C)
pH value :	pH 3.0 – 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
CN^-	$\geq 10 \text{ mg/l}$	+	White ($\geq 1 \text{ mg/l}$)
Br^-	$\geq 10 \text{ mg/l}$	+	White ($\geq 10 \text{ mg/l}$)
SCN^-	$\geq 1 \text{ mg/l}$	Unreadable	White ($\geq 100 \text{ mg/l}$)
Fe^{2+}	$\geq 20 \text{ mg/l}$	–	No ($\leq 1000 \text{ mg/l}$)
Fe^{3+}	$\geq 20 \text{ mg/l}$	+	White ($\geq 20 \text{ mg/l}$)
F^-	$\leq 1000 \text{ mg/l}$	No	No ($\leq 1000 \text{ mg/l}$)
I^-	$\geq 20 \text{ mg/l}$	+	Pale yellow ($\geq 20 \text{ mg/l}$)
S^{2-}	$\geq 3 \text{ mg/l}$	+	Blackish gray ($\geq 3 \text{ mg/l}$)
SO_4^{2-}	$\leq 1000 \text{ mg/l}$	No	No ($\leq 1000 \text{ mg/l}$)

Other substance measurable with this detector tube

Substance	Correction	Measuring range
Br^-	Factor : 2.4	24 to 480 mg/l

Calibration method

Sodium chloride standard solution