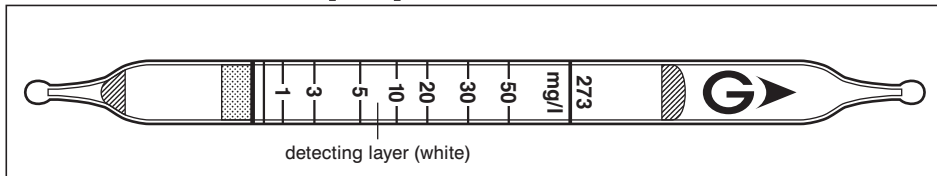


# Chromium (VI) Ion $\text{Cr}^{6+}$

No.273



**Performance** The minimum scale value (0.5mg/l) is not printed on the tube, but only the scale line is printed.

Measuring range	(0.5) to 50 mg/l
Sampling time	2 minutes
Detecting limit :	0.4 mg/l
Colour change :	White → Yellow
Corrections for water temperature :	Necessary
pH value :	pH 4.0 — pH 11.0
Relative standard deviation :	15 % (for 0.5 to 10 mg/l), 10 % (for 10 to 50 mg/l)
Shelf life :	3 years

## Reaction principle



## Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
$\text{Cl}^-$	$\geq 20 \text{ mg/l}$	+	No
$\text{CH}_3\text{COO}^-$	$\geq 20 \text{ mg/l}$	+	No
$\text{NO}_3^-$	$\geq 30 \text{ mg/l}$	+	No
$\text{S}^{2-}$	$\geq 0.5 \text{ mg/l}$	Unclear	Brown ( $\geq 0.5 \text{ mg/l}$ )
$\text{SO}_4^{2-}$	$\geq 10 \text{ mg/l}$	+	No
$\text{PO}_4^{3-}$	$\geq 5 \text{ mg/l}$	+	No

## Calibration method

Chromium (VI) Ion standard solution