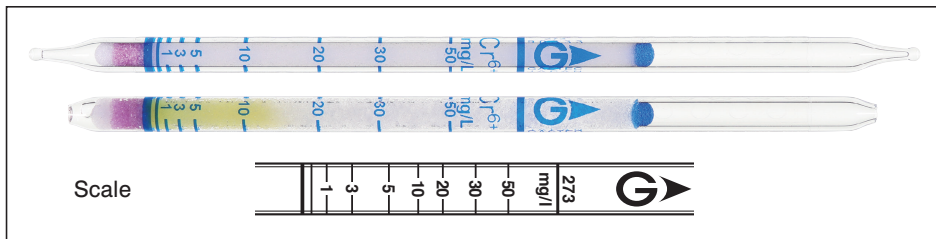


# Chromium (VI) $\text{Cr}^{6+}$

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 min
Detecting limit :	0.4 mg/L
Colour change :	White → Yellow
Operating conditions :	Water temperature 0 to 40 °C (32 to 104 °F) correction used
pH value :	pH 4.0 to pH 11.0
Relative standard deviation :	15 % (for 0.5 to 10 mg/L), 10 % (for 10 to 50 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
Chloride ion $\text{Cl}^-$	$\geq 20$ mg/L	+	No
Acetic acid ion $\text{CH}_3\text{COO}^-$	$\geq 20$ mg/L	+	No
Nitric acid ion $\text{NO}_3^-$	$\geq 30$ mg/L	+	No
Sulphide ion $\text{S}^{2-}$	$\geq 0.5$ mg/L	Unclear	Brown ( $\geq 0.5$ mg/L)
Sulphate ion $\text{SO}_4^{2-}$	$\geq 10$ mg/L	+	No
Phosphate ion $\text{PO}_4^{3-}$	$\geq 5$ mg/L	+	No

## Calibration method

Chromium (VI) standard solution