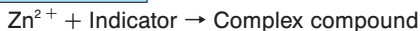


## Performance

Measuring range	3 to 20 mg/L
Sampling time	3 min
Detecting limit :	0.5 mg/L
Colour change :	Pale orange → Reddish purple
Operating conditions :	Water temperature 0 to 40 °C (32 to 104 °F) correction used
pH value :	pH 3.0 to pH 6.0
Relative standard deviation :	15 % (for 3 to 5 mg/L), 10 % (for 5 to 20 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
Cyanide ion $CN^-$	$\geq 10$ mg/L	+	No ( $\leq 100$ mg/L)
Iron (II) $Fe^{2+}$	$\geq 1$ mg/L	+	Reddish purple ( $\geq 3$ mg/L)
Iron (III) $Fe^{3+}$	$\geq 2$ mg/L	+	No ( $\leq 100$ mg/L)
Nickel $Ni^{2+}$	$\geq 2$ mg/L	+	Purple (whole layer) ( $\geq 2$ mg/L)
Copper (II) $Cu^{2+}$	$\geq 0.1$ mg/L	+	Reddish purple ( $\geq 0.1$ mg/L)
Manganese $Mn^{2+}$	$\geq 0.5$ mg/L	+	Purple ( $\geq 3$ mg/L)
Lead $Pb^{2+}$	$\geq 0.5$ mg/L	+	No ( $\leq 100$ mg/L)

## Calibration method

Zinc standard solution