



Performance The minimum scale value (5mg/L) is not printed on the tube, but only the scale line is printed.

Measuring range	(5) to 50 mg/L
Sampling time	3 min
Detecting limit :	5 mg/L
Colour change :	White → Red
Operating conditions :	Water temperature 5 to 30 °C (41 to 86 °F) correction not used
pH value :	pH 3.5 to pH 8.0
Relative standard deviation :	15 % (for 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
Zinc Zn^{2+}	≥ 20 mg/L	-	No (≤ 1000 mg/L)
Aluminum Al^{3+}	≥ 30 mg/L	-	No (≤ 1000 mg/L)
Cobalt Co^{2+}	≥ 3 mg/L	+	Greenish brown (≥ 20 mg/L)
Cyanide ion CN^-	≥ 10 mg/L	-	No (≤ 100 mg/L)
Iron (II) Fe^{2+}	≥ 5 mg/L	+	Brown (≥ 60 mg/L)
Iron (III) Fe^{3+}	≥ 100 mg/L	-	No (≤ 1000 mg/L)
Copper (II) Cu^{2+}	≥ 5 mg/L	+	Reddish brown / Yellowish green (≥ 50 mg/L)

Calibration method

Nickel standard solution