



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
Corrections for water temperature :	Unnecessary (5 to 30°C)
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)
Shelf life :	3 years

Reaction principle

Ni²⁺ + Dimethyl glyoxime → Complex compound

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