



Performance

Measuring range :	3 – 20 mg/l
Sampling time :	3 minutes
Detecting limit :	0.5 mg/l
Colour change :	Pale orange → Reddish purple
Corrections for water temperature :	Necessary
pH value :	pH 3.0 – pH 6.0
Relative standard deviation :	15 % (for 3 to 5 mg/l) 10 % (for 5 to 20 mg/l)
Shelf life :	3 years

Reaction principle

Zn + Indicator → Complex compound (Reddish purple)

Possible coexisting substances and their interferences (NOTE : Page 2-5)

Substance	Concentration	Interference	Changes colour by itself to
CN ⁻	≥ 10 mg/l	+	No (≤ 100 mg/l)
Fe ²⁺	≥ 1 mg/l	+	Reddish purple (≥ 3 mg/l)
Fe ³⁺	≥ 2 mg/l	+	No (≤ 100 mg/l)
Ni	≥ 2 mg/l	+	Purple (whole layer) (≥ 2 mg/l)
Cu	≥ 0.1 mg/l	+	Reddish purple (≥ 0.1 mg/l)
Mn	≥ 0.5 mg/l	+	Purple (≥ 3 mg/l)
Pb	≥ 0.5 mg/l	+	No (≤ 100 mg/l)

Calibration method

Zinc standard solution