

**Performance**

Measuring Range	3 to 20 mg/l
Sampling Time	3 minutes
Detecting Limit	0.5 mg/l
Colour Change	Pale orange → Reddish purple
Reaction Principle	Zn + Indicator → Complex compound (Reddish purple)
Coefficient of Variation	15% (for 3 to 5 mg/l), 10% (for 5 to 20 mg/l)
Shelf Life	3 Years
Corrections for temperature & humidity	Temperature correction is necessary

Store the tubes in a cool and dark place.

Possible coexisting substances and their interferences

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

Calibration gas generation Zinc standard solution

TLV-TWA	TLV-STEL	Explosive range
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