

**Performance**

Measuring Range	1 to 20 mg/l
Sampling Time	5 minutes
Detecting Limit	0.5 mg/l
Colour Change	Pale orange → Bluish purple
Reaction Principle	Hg + PAN (Indicator) → Complex compound
Coefficient of Variation	15% (for 1 to 5 mg/l), 10% (for 5 to 20 mg/l)
Shelf Life	3 Years
Corrections for temperature & humidity	Unnecessary
Store the tubes at cool and dark place.	

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Change colour by itself
Fe ²⁺	≥0.5 mg/l	Minus error	Reddish purple discoloration (≥0.5 mg/l)
Fe ³⁺	≥1 mg/l	Minus error	No discoloration (≤100 mg/l)
Cu	≥0.5 mg/l	Plus error	Reddish purple discoloration (≥0.5 mg/l)
Zn	≥0.5 mg/l	Plus error	Purple (≥0.2 mg/l)
Mn	≥1 mg/l	Plus error	Bluish purple discoloration (≥1 mg/l)
Al	≥0.5 mg/l	Plus error	No discoloration (≤100 mg/l)
Ni	≥0.3 mg/l	Plus error	Pale yellow discoloration (≥0.3 mg/l)
Co	≥0.2 mg/l	Plus error	Blackish grey discoloration (≥0.2 mg/l)

Calibration gas generation Mercury standard solution

TLV-TWA	TLV-STEL	Explosive range
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