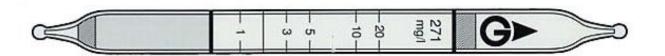
Mercury Hg No.271



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⁺	<u>≥</u> 0.5 mg/l	Minus error	Reddish purple discoloration (≥0.5 mg/l)
Fe ³⁺	<u>≥</u> 1 mg/l	Minus error	No discoloration (≤100 mg/l)
Cu	<u>≥</u> 0.5 mg/l	Plus error	Reddish purple discoloration (≥0.5 mg/l)
Zn	<u>≥</u> 0.5 mg/l	Plus error	Purple (<u>≥</u> 0.2 mg/l)
Mn	<u>≥</u> 1 mg/l	Plus error	Bluish purple discoloration (≥1 mg/l)
Al	<u>≥</u> 0.5 mg/l	Plus error	No discoloration (≦100 mg/l)
Ni	<u>≥</u> 0.3 mg/l	Plus error	Pale yellow discoloration (≧0.3 mg/l)
Со	<u>≥</u> 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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