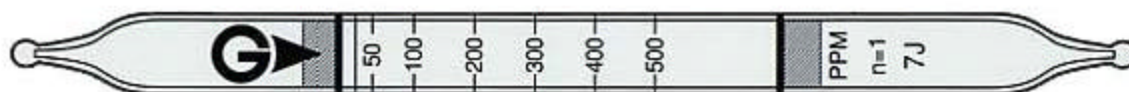


PhosphinePH₃**NO.7J****Performance**

Measuring Range	2.5 to 25 ppm	25 to 500 ppm	500 to 1000 ppm
Pump Strokes	2 to 10	1	1/2
Correction Factor	1/2 to 1/10	1	2
Sampling Time	1 minute per pump stroke		
Detecting Limit	1 ppm (n = 10)		
Color Change	White → Pale yellow		
Reaction Principle	Phosphine reacts with mercuric chloride to produce mercuric phosphochloride which is pale yellow in color.		
Coefficient of Variation	10% (for 2.5 to 100 ppm), 5% (for 100 to 500 ppm)		
Shelf Life	3 Years		
Corrections for temperature & humidity	Unnecessary		
Store the tubes at cool and dark place.			

Possible coexisting substances and their interferences (NOTE)

Substance	Concentration	Interference	Change color by itself
Arsine	1/3 time	Plus error	Produces brown stain
Hydrogen selenide	1/5 time	Plus error	Produces brown stain
Hydrogen sulfide	1/5 time	Plus error	Produces dark brown stain

Calibration gas generation High pressure gas cylinder method

TLV-TWA	TLV-STEL	Explosive range
0.3ppm	1ppm	-

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