



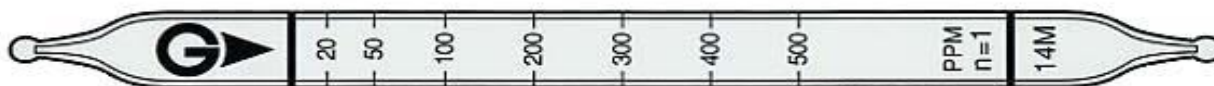
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Gastec Tube Datasheet

Hydrogen Chloride

HCl

No.GAS14M



Performance

Measuring Range	10 to 20 ppm	20 to 500 ppm	500 to 1000 ppm
Number of Pump Strokes	2	1	1/2
Correction Factor	1/2	1	2
Sampling Time	1 minute per pump stroke		
Detecting Limit	2.5 ppm (n=2)		
Colour Change	Yellow → Red		
Reaction Principle	Hydrogen chloride reacts with indicator to produce red stain. HCl + Indicator → Chemical reaction compound		
Coefficient of Variation	10% (for 20 to 100 ppm), 5% (for 100 to 500 ppm)		
Shelf Life	Up to 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
Hydrogen fluoride	≥ 600 ppm	Plus error	Produces red stain
Nitric Acid	$\geq 1/10$ time	Plus error	Produces red stain
Nitrogen dioxide	$\leq 1/2$ time	Plus error	Produces red stain (≥ 500 ppm)

Calibration gas generation High pressure gas cylinder method

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