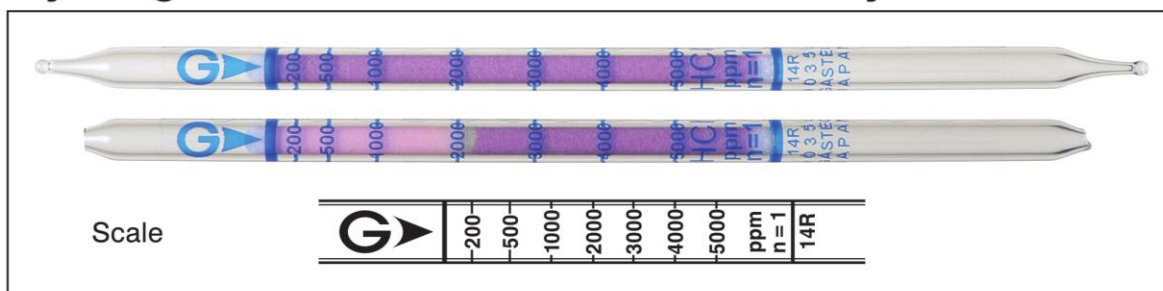




Hydrogen Chloride (for Low Humidity) HCl

Part No.: 14R

Hydrogen Chloride (for Low Humidity) HCl No.14R



Performance

Measuring range	50 to 200 ppm	200 to 5000 ppm
Number of pump strokes	2 to 4 (200 to 400 mL)	1 (100 mL)
Correction factor	1/2 to 1/4	1
Sampling time	1.5 to 3 min	45 sec
Detecting limit :	10 ppm (4 pump strokes)	
Colour change :	Purple → Pale pink (Purple to Yellow under about 500 ppm)	
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction not used Relative humidity 0 to 10 % correction not used	
Relative standard deviation :	10 % (for 200 to 1000 ppm), 5 % (for 1000 to 5000 ppm)	
Tube quantity and number of tests per box :	10 tubes for 10 tests	
Shelf life :	36 months	

Reaction principle

HCl + Base → Chloride

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Carbon monoxide		} No	} No
Nitric oxide			
Chlorine	≥ 4 ppm	+	White (≥ 1 ppm)
Carbon dioxide		No	No
Nitrogen dioxide	≥ 1000 ppm	+	White (≥ 1000 ppm)
Hydrogen sulphide	≥ 5 %	-	No
Sulphur dioxide	≥ 100 ppm	+	Yellow
n-Hexane		No	No

Calibration gas generation

High pressure gas cylinder method

Special note

This tube is for low humidity (RH 0-10 %) condition.