

# Hydrogen chloride (For Low Humidity)

HCl

No.14R



## Performance

Measuring Range	50 to 200ppm	200 to 5000 ppm
Number of Pump Strokes	2 to 4	1
Correction Factor	1/2 to 1/4	1
Sampling Time	45 seconds per pump stroke	
Detecting Limit	10 ppm (n=4)	
Colour Change	Purple → Pale Pink	
Reaction Principle	Hydrogen chloride reacts with indicator to produce pale pink stain.	
Coefficient of Variation	10% (for 200 to 800 ppm), 5% (for 800 to 2500 ppm)	
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
Carbon monoxide	-	No effect	None
Nitric oxide	-	No effect	None
Chlorine	≤4ppm	Plus effect	White (≤1ppm)
Carbon dioxide	-	No effect	None
Nitrogen dioxide	≤1000ppm	Plus effect	White (≤1000ppm)
Hydrogen Sulphide	≤5%	Minus effect	None
Sulphur dioxide	≤100ppm	Plus effect	Produce yellow stain
n-hexane	-	No effect	None

**Calibration gas generation** High pressure gas cylinder method

TLV-TWA	TLV-STEL	Explosive range
-	C 2ppm	-