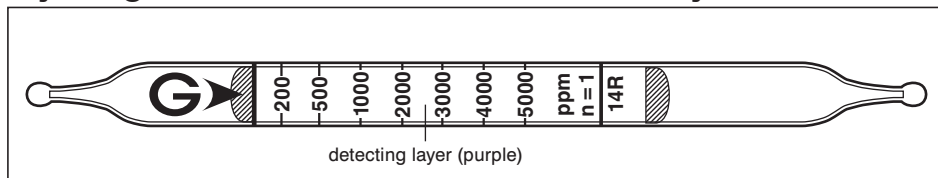


# Hydrogen Chloride (for Low Humidity) HCl No.14R



## 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  
 Corrections for temperature & humidity : Unnecessary  
 Relative standard deviation : 10 % (for 200 to 1000 ppm), 5 % (for 1000 to 5000 ppm)  
 Shelf life : 3 years

## 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.