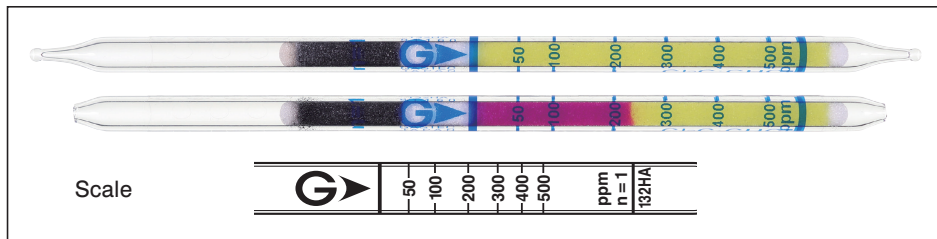


# Trichloroethylene $\text{Cl}_2\text{C}:\text{CHCl}$ No. 132HA

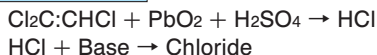


## Performance

Measuring range	20 to 50 ppm	50 to 500 ppm	500 to 1300 ppm
Number of pump strokes	2 (200 mL)	1 (100 mL)	1/2 (50 mL)
Correction factor	0.4	1	2.6
Sampling time	1.5 min	45 sec	30 sec

Detecting limit :	4 ppm (2 pump strokes)
Colour change :	Yellow → Reddish purple
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction used Relative humidity 0 to 90 % correction not used
Relative standard deviation :	10 % (for 50 to 100 ppm), 5 % (for 100 to 500 ppm)
Tube quantity and number of tests per box :	10 tubes for 10 tests
Shelf life :	24 months (in the refrigerator)

## Reaction principle



## Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Bromine, Chlorine		+	Reddish purple
Hydrogen chloride		+	
Unsaturated halogenated hydrocarbons		+	
Acetone	$\leq 200$ ppm	No	No
Aromatic hydrocarbons	$\leq 100$ ppm	-	
Nitric oxide		No	
Nitrogen dioxide		No	
1,1,1-Trichloroethane		+	Reddish purple ( $\geq 3000$ ppm)

## Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
1,2-Dichloroethylene	Factor : 1.6	1	80 to 800 ppm
1,3-Dichloropropene	Factor : 0.9	2	45 to 450 ppm

## Calibration gas generation

Diffusion tube method