

Head space  
method

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



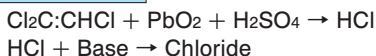
Scale



## Performance

|   |   |
|---|---|
| Measuring range                             | 0.1 to 0.4 mg/L   |
| Number of pump strokes                      | 1 (100 mL)  |
| Correction factor                           | 1   |
| Sampling time                               | 1 min   |
| Detecting limit :                           | 0.02 mg/L (1 pump stroke)   |
| Colour change :                             | Yellow → Bluish purple  |
| Operating conditions :                      | Temperature 0 to 40 °C (32 to 104 °F) correction used<br>Water temperature 0 to 30 °C (32 to 86 °F) correction used |
| Relative standard deviation :               | 10 % (for 0.1 to 0.2 mg/L), 5 % (for 0.2 to 0.4 mg/L)   |
| Tube quantity and number of tests per box : | 10 tubes for 10 tests   |
| Shelf life :                                | 30 months (in the refrigerator)   |

## Reaction principle



## Possible coexisting substances and their interferences

| Substance                      | Concentration  | Interference | Changes colour by itself to |
|--------------------------------|----------------|--------------|-----------------------------|
| 1,1,1-Trichloroethane          | $\leq 100$ ppm | No           | No                          |
| 1,2-Dichloroethene             |                | +            | Bluish purple               |
| Tetrachloroethylene            |                | +            | Bluish purple               |
| Toluene, Xylene                |                | No           | No                          |
| Hydrogen chloride,<br>Chlorine | $\geq 1/2$     | +            | Bluish purple               |

## Calibration gas generation

Diffusion tube method