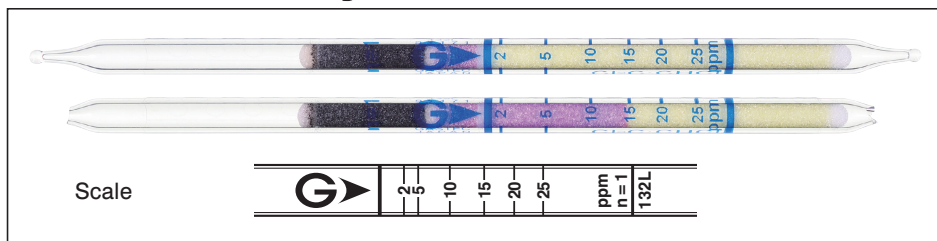


Trichloroethylene $\text{Cl}_2\text{C}:\text{CHCl}$

No. 132L

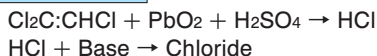


Performance

| | | | |
|------------------------|--------------|-------------|--------------|
| Measuring range | 0.8 to 2 ppm | 2 to 25 ppm | 25 to 90 ppm |
| Number of pump strokes | 2 (200 mL) | 1 (100 mL) | 1/2 (50 mL) |
| Correction factor | 0.4 | 1 | 3.6 |
| Sampling time | 1.5 min | 45 sec | 30 sec |

| | |
|---|--|
| Detecting limit : | 0.4 ppm (2 pump strokes) |
| Colour change : | Yellow → 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 2 to 5 ppm), 5 % (for 5 to 25 ppm) |
| 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 |
|--------------------------------------|---------------|--------------|-----------------------------|
| Bromine, Chlorine | | + | Purple |
| Hydrogen chloride | | + | |
| Unsaturated halogenated hydrocarbons | | + | |
| Acetone | ≧ 200 ppm | No | No |
| Aromatic hydrocarbons | ≧ 100 ppm | - | |
| Nitric oxide | | No | |
| Nitrogen dioxide | | No | |

Other substance measurable with this detector tube

| Substance | Correction Factor | No. of pump strokes | Measuring range |
|-----------------|-------------------|---------------------|-----------------|
| Benzyl chloride | Factor : 0.8 | 2 | 1.6 to 20 ppm |

Calibration gas generation

Diffusion tube method