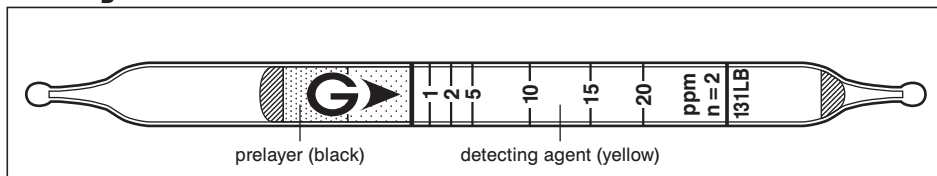


Vinyl Chloride $\text{CH}_2\text{:CHCl}$

No.131LB



Performance

| | | | |
|------------------------|---------------|-------------|--------------|
| Measuring range | 0.25 to 1 ppm | 1 to 20 ppm | 20 to 70 ppm |
| Number of pump strokes | 4 (400 ml) | 2 (200 ml) | 1 (100 ml) |
| Correction factor | 1/4 | 1 | 3.5 |
| Sampling time | 6 min | 3 min | 1.5 min |

Detecting limit : 0.05 ppm (4 pump strokes)

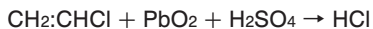
Colour change : Yellow → Purple

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 10 % (for 1 to 5 ppm), 5 % (for 5 to 20 ppm)

Shelf life : 2 years (in the refrigerator)

Reaction principle



Possible coexisting substances and their interferences

| Substance | Concentration | Interference | Changes colour by itself to |
|-----------------------------|---------------|--------------|-----------------------------|
| Chlorine, Hydrogen chloride | \cong 1/10 | + | Purple |
| Alcohols, Esters, Ketones | | No | No |
| 1,2-Dichloroethylene | \cong 1/10 | + | } Purple |
| Trichloroethylene | \cong 1/10 | + | |
| Tetrachloroethylene | \cong 1/10 | + | |
| Aromatic hydrocarbons | | No | No |

Calibration gas generation

Permeation tube method