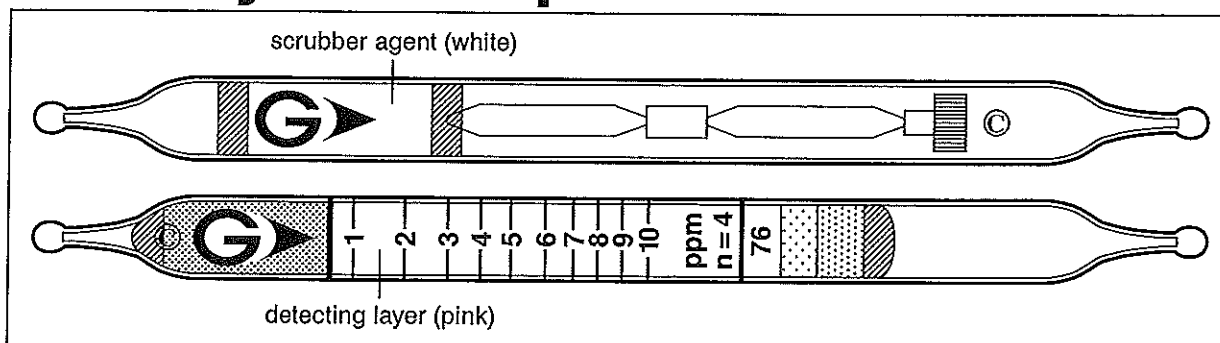


# Tetrahydrothiophene $C_4H_8S$

No.76



## Performance

When used, these tubes are to be connected. See page 2-3.

|                        |             |
|------------------------|-------------|
| Measuring range        | 1 to 10 ppm |
| Number of pump strokes | 4 (400ml)   |
| Correction factor      | 1           |
| Sampling time          | 4 min       |

Detecting limit : 0.25 ppm (4 pump strokes)

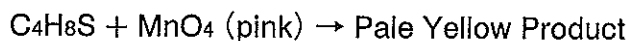
Colour change : Pink → Pale yellow

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 10 % (for 1 to 3 ppm), 5 % (for 3 to 10 ppm)

Shelf life : 2 years

## Reaction principle



## Possible coexisting substances and their interferences (NOTE : Page 2-5)

| Substance         | Concentration | Interference | Changes colour by itself to |
|-------------------|---------------|--------------|-----------------------------|
| Hydrogen sulphide | ≤ 30 ppm      | No           | } Pale pink (whole layer)   |
| Ethyl mercaptan   | ≤ 1 ppm       | No           |                             |
| Ethylene          | ≤ 1000 ppm    | No           |                             |
| Propylene         | ≤ 500 ppm     | No           |                             |
| Methanol          | ≤ 300 ppm     | No           |                             |

## Calibration gas generation

Diffusion tube method