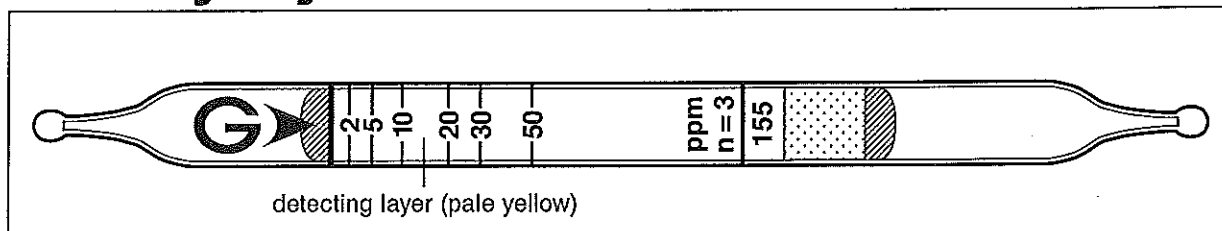


Methylcyclohexanone $C_7H_{12}O$ No.155



Performance

| | | |
|------------------------|-------------|---------------|
| Measuring range | 2 to 50 ppm | 50 to 100 ppm |
| Number of pump strokes | 3 (300 ml) | 2 (200 ml) |
| Correction factor | 1 | 2 |
| Sampling time | 9 min | 6 min |

Detecting limit : 0.2 ppm (3 pump strokes)

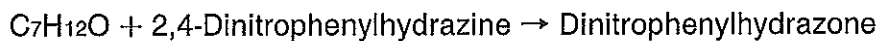
Colour change : Pale yellow → Yellow

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 15 % (for 2 to 10 ppm), 10 % (for 10 to 50 ppm)

Shelf life : 2 years (in the refrigerator)

Reaction principle



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

| Substance | Concentration | Interference | Changes colour by itself to |
|-----------|---------------|--------------|-----------------------------|
| Ketones | | + | Yellow |

Calibration gas generation

Diffusion tube method