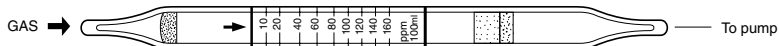


Tube No.
184S

METHYL METHACRYLATE



1. PERFORMANCE

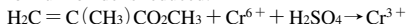
- 1) Measuring range : 10-160 ppm
- Number of pump strokes : 1 (100ml)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 2 ppm
- 4) Shelf life : 2 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : Pale yellow → Pale blue

2. RELATIVE STANDARD DEVIATION

RSD-low : 15 % RSD-mid. : 10 % RSD-high : 5 %

3. CHEMICAL REACTION

Chromium oxide is reduced.



4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

| Substance | Interference | Coexistence |
|-----------------------|--------------------------------------|----------------------------|
| Alcohols | Similar stain is produced. | Higher readings are given. |
| Esters | Whole layer is discoloured to Black. | ∕ |
| Ketones | ∕ | ∕ |
| Aromatic hydrocarbons | ∕ | ∕ |

TEMPERATURE CORRECTION TABLE

| Scale Readings (ppm) | True Concentration (ppm) | | | | |
|----------------------|--------------------------|----------------|----------------|----------------|-----------------|
| | 0 °C (32 ° F) | 10 °C (50 ° F) | 20 °C (68 ° F) | 30 °C (86 ° F) | 40 °C (104 ° F) |
| 160 | 190 | 175 | 160 | 150 | 140 |
| 140 | 165 | 155 | 140 | 130 | 125 |
| 120 | 140 | 130 | 120 | 110 | 105 |
| 100 | 120 | 110 | 100 | 95 | 90 |
| 80 | 95 | 90 | 80 | 75 | 70 |
| 60 | 70 | 65 | 60 | 55 | 50 |
| 40 | 47 | 44 | 40 | 37 | 35 |
| 20 | 24 | 22 | 20 | 19 | 17 |
| 10 | 12 | 11 | 10 | 9 | 9 |