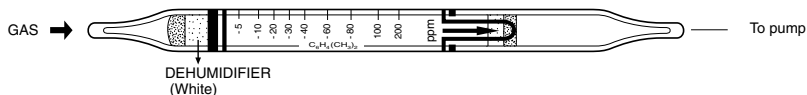


Tube No.
143SB

XYLENE



1. PERFORMANCE

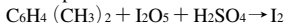
- 1) Measuring range : 5-200 ppm
Number of pump strokes : 2 (200mℓ)
- 2) Sampling time : 3 minutes/2 pump strokes
- 3) Detectable limit : 1 ppm
- 4) Shelf life : 2 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 2 pump strokes
- 8) Colour change : White → Brown

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

Iodine pentoxide is reduced.



4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

| Substance | ppm | Interference | Coexistence |
|------------------------|------------------|---|---------------------------|
| Toluene | Xylene conc. 1/5 | Same stain is produced. | Higher reading are given. |
| Ethyl acetate | | The accuracy of readings is not affected. | |
| Methyl isobutyl ketone | | ∕ | |
| Isobutyl alcohol | | ∕ | |

TEMPERATURE CORRECTION TABLE

| Tube Readings (ppm) | Corrected Concentration (ppm) | | |
|---------------------|-------------------------------|---------------|----------------|
| | 20 °C (68° F) | 30 °C (86° F) | 40 °C (104° F) |
| 200 | 200 | 300 | — |
| 150 | 150 | 190 | 400 |
| 100 | 100 | 125 | 150 |
| 80 | 80 | 100 | 120 |
| 60 | 60 | 70 | 80 |
| 40 | 40 | 45 | 50 |
| 30 | 30 | 30 | 30 |