

Tube No.
118SD

BENZENE



1. PERFORMANCE

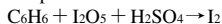
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|-----------------------------|--|------------|-------------|
| 1) Measuring range | : 1-75 ppm | 0.2-15 ppm | 0.1-7.5 ppm |
| Number of pump strokes | 1 (100mℓ) | 5 (500mℓ) | 10 (1000mℓ) |
| 2) Sampling time | : 10 minutes/5 pump strokes | | |
| 3) Detectable limit | : 0.02 ppm (1000mℓ) | | |
| 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 5 pump strokes | | |
| 8) Colour change | : White → Greenish 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

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Toluene			Higher readings are given.
Xylene			∕
Carbon monoxide		2.0	Whole reagent is changed to Pale brown, unclear stain are reproduced and higher readings are given.
Hexane		2.0	∕

(NOTE)

In case of 1 or 10 strokes, following formula is available for the actual concentration.

$$\text{Actual concentration} = \text{Temperature corrected value} \times \frac{5}{\text{Number of strokes}}$$