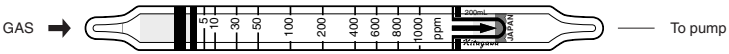
Tube No.
143SA

XYLENE



1. PERFORMANCE

1) Measuring range : 5-1,000 ppm
   Number of pump strokes 2(200mℓ)
2) Sampling time : 4 minutes/2 pump strokes
3) Detectable limit : 2 ppm
4) Shelf life : 1.5 years
5) Operating temperature : 0～40℃
6) Reading : Direct reading from the scale calibrated by 2 pump strokes
7) Colour change : White→Brown

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

Iodine pentoxide is reduced.

$C_6H_4(CH_3)_2 + I_2O_5 + H_2SO_4 \rightarrow I_2$

4. CALIBRATION OF THE TUBE

DIFFUSION TUBE METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Benzene	Similar stain is produced.		Higher readings are given.
Toluene	〃		〃
Ethyl Benzene	〃		〃
Methyl alcohol	The accuracy of readings is not affected.	1％	〃
Hexane	Whole layer is discoloured to Pale brown.	0.1％	Higher readings with indiscernible maximum end point of stained layer are given.