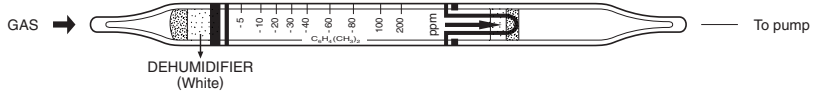
Tube No.
143SB

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℃
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.

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

4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

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.	The accuracy of readings is not affected.
Methyl isobutyl ketone		〃	〃
Isobutyl alcohol		〃	〃

TEMPERATURE CORRECTION TABLE

Tube Readings (ppm)	Corrected Concentration (ppm)		
	20℃ (68°F)	30℃ (86°F)	40℃ (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