

Tube No.
124SH

TOLUENE



1. PERFORMANCE

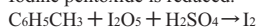
- 1) Measuring range : 100-3000 ppm
Number of pump strokes : 1 (100mL)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 10 ppm (100mL)
- 4) Shelf life : 2 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : White → Dark 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	Coexistence
Benzene	Dark green stain is produced.	Higher readings are given.
Ethyl benzene	Similar stain is produced.	"
Xylene	"	"
Hexane	Whole reagents is changed to Pale brown.	"
Methanol	The accuracy of readings is not affected.	"

TEMPERATURE CORRECTION TABLE

Tube Readings (ppm)	Corrected Concentration (ppm)	
	0 °C (32°F)	5 - 40 °C (40 - 104°F)
3000	3900	3000
2500	3200	2500
2000	2500	2000
1500	1800	1500
1000	1200	1000
500	500	500
300	300	300
100	100	100