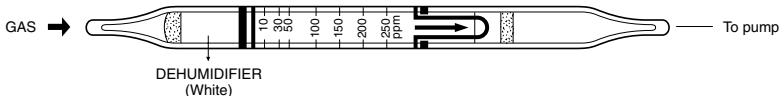


Tube No.

111U 

1,2,4-TRIMETHYL BENZENE



1. PERFORMANCE

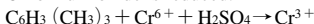
- | | |
|--------------------------|---|
| 1) Measuring range | : 10-250 ppm |
| Number of pump strokes | 1 (100mℓ) |
| 2) Sampling time | : 1.5 minutes/1 pump stroke |
| 3) Detectable limit | : 1 ppm |
| 4) Shelf life | : 2 years |
| 5) Operating temperature | : 0 ~ 40 °C |
| 6) Reading | : Graduations printed on the tube are calibrated by Ethyl acetate at 1 pump stroke and 1,2,4-trimethyl benzene is determined by using a conversion chart. |
| 7) Colour change | : Yellow → Dark brown |

2. RELATIVE STANDARD DEVIATION

RSD-low : 10 % RSD-mid. : 5 % RSD-high : 5 %

3. CHEMICAL REACTION

Chromium oxide is reduced.



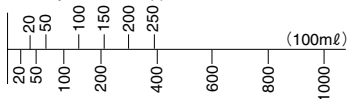
4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Alcohols	Brown stain is produced.	Higher readings are given.
Esters	∕	∕
Ketones	∕	∕
Aromatic hydrocarbons	∕	∕
Aliphatic hydrocarbons (more than C ₃)		Double-layer stain is produced. If the dark brown stain is clear, the readings can be obtained by it.
Halogenated hydrocarbons		∕

Trimethyl benzene (ppm)



No. 111U Tube reading (ppm)