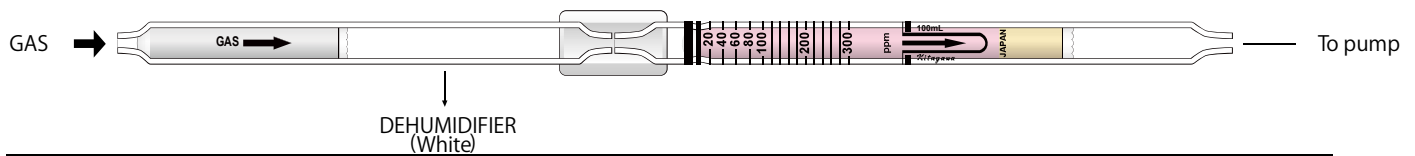


Tube No.  
104SB

# ETHYL ALCOHOL



## 1. PERFORMANCE

- 1) Measuring range : 20-300 ppm
- Number of pump strokes : 1(100mL)
- 2) Sampling time : 3 minutes/1 pump stroke
- 3) Detectable limit : 2 ppm
- 4) Shelf life : 3 years
- 5) Operating temperature : 0~40°C
- 6) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 7) Colour change : Pink→ White

## 2. RELATIVE STANDARD DEVIATION

RSD-low : 15% RSD-mid. : 10% RSD-high : 10%

## 3. CHEMICAL REACTION

Potassium permanganate is reduced .  
 $C_2H_5OH + KMnO_4 \rightarrow$  White reaction products

## 4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Alcohols	Similar stain is produced.	Higher readings are given.
1,3-Butadiene	//	//
Hydrogen sulphide	//	//
Isobutylene	//	//
Acetone	//	//
n-Hexane	Whole reagent changes to White.	//
Ammonia	The accuracy of readings is not affected.	Higher readings with indiscernible stain are given.