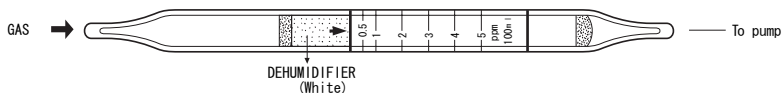


Tube No.  
130U

# ISOPROPYL MERCAPTAN



## 1. PERFORMANCE

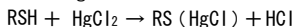
- 1) Measuring range : 1-10 ppm      0.5-5 ppm  
Number of pump strokes : 1/2 (50mL)    1(100mL)
- 2) Sampling time : 1 minute/1 pump stroke
- 3) Detectable limit : 0.2 ppm(100mL)
- 4) Shelf life : 2 years
- 5) Operating temperature : 0~40°C
- 6) Reading : Direct reading from the scale calibrated by Methyl mercaptan at 1 pump stroke
- 7) Colour change : Pale yellow → Pink

## 2. RELATIVE STANDARD DEVIATION

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

## 3. CHEMICAL REACTION

By reacting with Mercuric chloride, Hydrogen chloride is produced and PH indicator is discoloured.



## 4. CALIBRATION OF THE TUBE

PERMEATION TUBE METHOD

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Arsine	Similar stain is produced.	Higher readings are given.
Hydrogen selenide	"	"
Phosphine	"	"
Hydrogen sulphide	"	"
Hydrogen cyanide	Whole reagent is changed to Red.	"
Sulphur dioxide		Whole reagent is changed to Pale red, but Pink stain indicates Mercaptans conc.

### (NOTE)

In case of 1/2 pump strokes, following formula is available for the actual concentration.

Actual concentration = 2 × Reading value

This tube scale is calibrated based on Methyl mercaptan and the same scale is available for Isopropyl mercaptan.