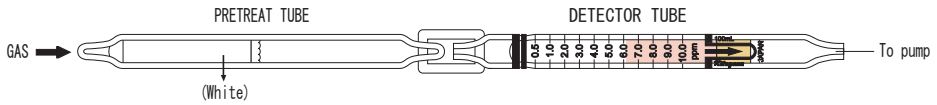


Tube No.
168SD

BUTADIENE



1. PERFORMANCE

- 1) Measuring range : 0.5-10 ppm
Number of pump strokes : 1(100mL)
- 2) Sampling time : 3 minutes/1 pump stroke
- 3) Detectable limit : 0.1 ppm(100mL)
- 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 : 10% RSD-mid. : 5% RSD-high : 5%

3. CHEMICAL REACTION

Potassium permanganate is reduced.

$\text{CH}_2 = \text{CH} - \text{CH} = \text{CH}_2 + \text{KMnO}_4 \rightarrow \text{White reaction products}$

4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Hydrogen sulphide	Similar stain is produced.	7.0	Higher readings are given.
Isobutylene	"	0.2	"
Ammonia		1.0	Higher readings with unclear maximum point of stained layer will be given