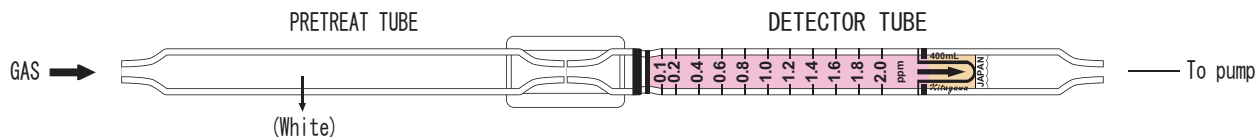


Tube No.
168SE

1, 3-BUTADIENE



1. PERFORMANCE

- 1) Measuring range : 0.1-2.0 ppm 0.5-10.0 ppm
Number of pump strokes : 4(400mL) 1(100mL)
- 2) Sampling time : 12 minutes/4 pump strokes
- 3) Detectable limit : 0.02 ppm(400mL)
- 4) Shelf life : 3 years
- 5) Operating temperature : 0~40°C
- 6) Reading : Direct reading from the scale calibrated by 4 pump strokes
- 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 | Coexistence |
|-------------------|----------------------------|--|
| Hydrogen sulphide | Similar stain is produced. | Higher readings are given. |
| Isobutylene | " | " |
| Ammonia | | Higher readings with unclear maximum point of stained layer will be given. |