

1. PERFORMANCE

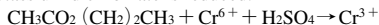
- | | |
|--------------------------|---|
| 1) Measuring range | : 0.01-1.4 % |
| Number of pump strokes | 2 (200mℓ) |
| 2) Sampling time | : 1.5 minutes/1 pump stroke |
| 3) Detectable limit | : 10 ppm |
| 4) Shelf life | : 3 years |
| 5) Operating temperature | : 0 ~ 40 °C |
| 6) Reading | : Graduations printed on the tube are calibrated by Methyl ethyl ketone at 2 pump strokes and Propyl acetate concentration is determined by using a conversion chart. |
| 7) Colour change | : Orange → Brownish green |

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

Potassium dichromate is reduced.

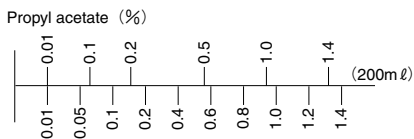


4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

| Substance | Interference | ppm | Coexistence |
|--|----------------------------|-------|------------------------------------|
| Acetylene | | 3 % | Whole reagent is changed to Brown. |
| Propane | | 0.2 % | “ |
| Other organic gases or vapours except Halogenated hydrocarbons | Similar stain is produced. | | Higher readings are given. |



No.139SB Tube reading (%)