

1. PERFORMANCE

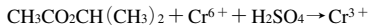
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|--------------------------|--|
| 1) Measuring range | : 0.01-1.2 % |
| Number of pump strokes | 2 (200mℓ) |
| 2) Sampling time | : 1.5 minutes/1 pump stroke |
| 3) Detectable limit | : 10 ppm |
| 4) Shelf life | : 3 years |
| 5) Operating temperature | : 0 ~ 40 °C |
| 6) Reading | : Graduations printed on the tube are calibrated by Methyl ethyl ketone at 2 pump strokes and Isopropyl 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



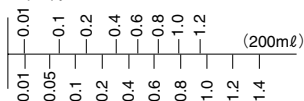
4. CALIBRATION OF THE TUBE

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.	50	Higher readings are given.

Isopropyl acetate (%)



No.139SB Tube reading (%)