

## 1. PERFORMANCE

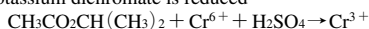
- 1) Measuring range : 0.01-1.2 %
- Number of pump strokes : 2 (200ml)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 10 ppm
- 4) Shelf life : 3 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Reading : Graduations printed on the tube are calibrated by Methyl ethyl ketone at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



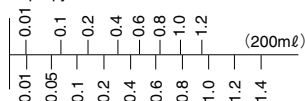
## 4. CALIBRATION OF THE TUBE

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 (%)