

## 1. PERFORMANCE

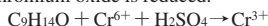
- 1) Measuring range : 5-80 ppm  
Number of pump strokes : 3 (300ml)
- 2) Sampling time : 4.5 minutes/3 pump strokes
- 3) Detectable limit : —
- 4) Shelf life : 3 years
- 5) Operating temperature : 15 ~ 25 °C
- 6) Reading : The tube scale is calibrated based on Cyclohexanone at 3 pump strokes and Isophorone concentration is determined by using a conversion chart at 3 pump strokes
- 7) Colour change : Yellow → Pale blue

## 2. RELATIVE STANDARD DEVIATION

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

## 3. CHEMICAL REACTION

Chromium oxide is reduced.



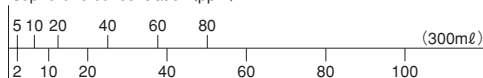
## 4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Aliphatic hydrocarbons (more than C <sub>3</sub> )	Whole reagent is changed to pale brown.	The accuracy of readings is not affected if the maximum end point of the blue stain is discernable.
Aromatic hydrocarbons	//	//
Halogenated hydrocarbons	//	//
Alcohols	Similar stain is produced.	Higher readings are given.
Esters	Pale brown stain is produced from the zero end of the detecting reagent (inlet side of the tube).	The accuracy of readings is not affected.

Isophorone concentration (ppm)



No. 197U tube reading (ppm)