## METHYL CYCLOHEXANE



### 1. PERFORMANCE

1) Measuring range : 100-1,600 ppm Number of pump strokes 1 (100mL)

2) Sampling time : 1.5 minutes/1 pump stroke

3) Detectable limit

4) Shelf life : 2 years 5) Scale calibration temperature : 20°C

6) Reading : Graduations printed on the tube are calibrated by Hexane

at 1 pump stroke and Methyl cyclohexane concentration is determined by using a conversion chart at 1 pump stroke.

7) Colour change : Orange→Yellowish green

#### 2. RELATIVE STANDARD DEVIATION

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

#### 3. CHEMICAL REACTION

Chromium oxide is reduced. CH  $_3$  (CH  $_2$ ) $_5$ CH  $_3$  + Cr $^6$  + H  $_2$ SO  $_4$   $\rightarrow$  Cr $^3$  +

# 4. CALIBRATION OF THE TUBE GAS CHROMATOGRAPHY

Methyl cyclohexane concentration (ppm)

