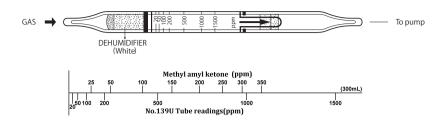
## METHYL AMYL KETONE



#### 1. PERFORMANCE

1) Measuring range : 25-350 ppm Number of pump strokes 3(300mL)

2) Sampling time : 4.5 minutes/3 pump strokes

3) Detectable limit : —

4) Shelf life : 2 years 5) Operating temperature :  $15\sim25^{\circ}$ C

6) Reading : Graduations printed on the tube are calibrated by Metyl ethyl ketone

at 1 pump stroke and Methyl amyl ketone 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: 10%

#### 3. CHEMICAL REACTION

Chromium oxide is reduced.  $CH_3CO(CH_2)_4CH_3 + Cr^{6+} + H_2SO_4 \rightarrow Cr^{3+}$ 

# 4. CALIBRATION OF THE TUBE GAS CHROMATOGRAPHY

### 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Alcohol	Similar or Brown stain is produced.	Higher readings are given.
Esters	//	//
Ketones	//	//
Aromatic hydrocarbons	//	//
Halogenated hydrocarbons		Whole reagent is changed to Brown, but if the maximum end point of the Pale blue stain is discernable, the accuracy of reading is not affected.
Aliphatic hydrocarbons		//