Tube No.
111SA©

METHYL ACETATE

1. PERFORMANCE

1) Measuring range : 0.1-3.0 %
   Number of pump strokes 1 (100mℓ)
2) Sampling time : 1.5 minutes/1 pump stroke
3) Detectable limit : —
4) Shelf life : 3 years
5) Operating temperature : 0 ~ 40 ℃
6) Reading : The tube scale is calibrated based on Ethyl acetate at 1 pump stroke and Methyl acetate concentration is determined by using a conversion chart at 1 pump stroke
7) Colour change : Orange → Dark green

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

Chromium oxide is reduced.

$CH_3CO_2CH_3 + Cr^{6+} + H_2SO_4 \rightarrow Cr^{3+}$

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.