METHYL ETHYL KETONE



1. PERFORMANCE

1) Measuring range 0.01-1.4 % Number of pump strokes $2(200 \text{m} \ell)$

2) Sampling time : 3 minutes/2 pump strokes

3) Detectable limit : 10 ppm4) Shelf life : 3 years5) Operating temperature $: 0 \sim 40 \text{ °C}$

6) Reading : Direct reading from the scale calibrated by 2 pump strokes

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. $CH_3COC_2H_5 + Cr^{6+} + H_2SO_4 \rightarrow Cr^{3+}$

4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

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|--|---------------------------|------|--|
| Substance | Interference | ppm | Coexistence |
| Acetylene | | 3% | Whole reagent is discoloured to Brown and higher readings are given. |
| Propane | | 0.2% | " |
| Other organic gases or vapours except Halogenated hydrocarbons | Similar stain is produced | 50 | Higher readings are given. |