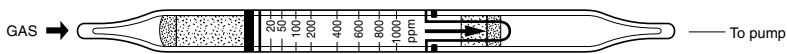


Tube No.
151U

PROPYL ACETATE



1. PERFORMANCE

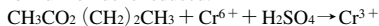
- 1) Measuring range : 20-1,000 ppm
Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 1.5 minutes/1 pump stroke
- 3) Detectable limit : 10 ppm
- 4) Shelf life : 2 years
- 5) Operating temperature : 10 ~ 40 °C
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 6) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 7) Colour change : Pale yellow → Dark brown

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

Chromium oxide is reduced.



4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

| Substance | Interference | Coexistence |
|-----------------------|---|------------------------------------|
| Alcohols | Similar stains or Blue stains are produced. | Higher readings are given. |
| Esters | ∕ | ∕ |
| Ketones | ∕ | ∕ |
| Aromatic hydrocarbons | ∕ | ∕ |
| Paraffin hydrocarbons | ∕ | Whole reagent is changed to Brown. |

TEMPERATURE CORRECTION TABLE

| Scale Readings (ppm) | True Concentration (ppm) | | | |
|----------------------|--------------------------|----------------|----------------|-----------------|
| | 10 °C (50 ° F) | 20 °C (68 ° F) | 30 °C (86 ° F) | 40 °C (104 ° F) |
| 1,000 | — | 1,000 | 480 | 320 |
| 800 | — | 800 | 420 | 280 |
| 600 | 1,450 | 600 | 340 | 240 |
| 400 | 850 | 400 | 240 | 160 |
| 200 | 380 | 200 | 120 | 80 |
| 100 | 200 | 100 | 60 | 40 |
| 50 | 100 | 50 | 30 | 20 |
| 20 | 45 | 20 | 10 | 6 |