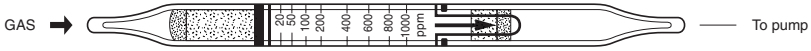
Tube No.
151U

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 ℃
6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
6) Reading : Direct reading from the scale calibrated by 1 pump stroke
7) Colour change : Yellow → Brown

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

Chromium oxide is reduced.

$$CH_3CO_2(CH_2)_2CH_3 + Cr^{6+} + H_2SO_4 \rightarrow Cr^{3+}$$

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	〃	〃
Aliphatic hydrocarbons (over C_3)		Whole reagent is changed to Pale brown, but if the maximum end point of stained layer is discernable, the accuracy of readings is not affected.
Halogenated hydrocarbons		〃

TEMPERATURE CORRECTION TABLE

Tube Readings (ppm)	Corrected Concentration (ppm)			
	10 ℃ (50 ˚F)	20 ℃ (68 ˚F)	30 ℃ (86 ˚F)	40 ℃ (104 ˚F)
1000	—	1000	480	320
800	—	800	420	280
600	1450	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