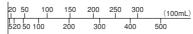
1-PROPANOL



1-Propanol concentration (ppm)



No. 190U tube reading (ppm)

1. PERFORMANCE

1) Measuring range : 20-300 ppm Number of pump strokes : 1(100mL)

2) Sampling time : 1.5 minutes / 1 pump stroke

3) Detectable limit :

4) Shelf life \therefore 2 years \therefore 5) Operating temperature \therefore 15 \sim 25°C

6) Reading : The tube scales are calibrated based on Ethyl cellosolve at 3 pump strokes and

1-Propanol concentration is determined by using a conversion chart

at 1 pump stroke

7) Colour change : Yellow→Pale blue

2. RELATIVE STANDARD DEVIATION

RSD-low: - RSD-mid.: - RSD-high: -

3. CHEMICAL REACTION

Chromium oxide is reduced.

 $CH_3CH_2CH_2OH + Cr^{6+} + H_2SO_4 \rightarrow Cr^{3+}$

4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Alcohols	Similar stain is produced.	Higher readings are given.
Ethers	"	"
Aliphatic hydrocarbons (more than C ₃)	Whole reagent is changed to brown.	"
Aromatic hydrocarbons	"	"
Esters	"	"
Ketones	"	"
Halogenated hydrocarbons	"	"