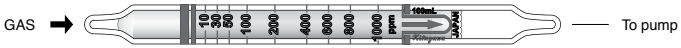
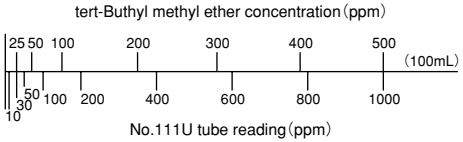
Tube No.
111U©

tert-BUTYL METHYL ETHER





1. PERFORMANCE

1) Measuring range	: 25-500 ppm
Number of pump strokes	1 (100mL)
2) Sampling time	: 1.5 minutes / 1 pump stroke
3) Detectable limit	: —
4) Shelf life	: 2 years
5) Operating temperature	: 15～25℃
6) Reading	: The tube scales are calibrated based on Ethyl acetate at 1 pump stroke and tert-Butyl methyl ether concentration is determined by using a conversion chart at 1 pump stroke
7) Colour change	: Yellow → Brown

2. RELATIVE STANDARD DEVIATION

RSD-low : — RSD-mid. : — RSD-high : —

3. CHEMICAL REACTION

Chromium oxide is reduced.

$CH_3OC(CH_3)_3 + Cr^{6+} + H_2SO_4 \rightarrow Cr^{3+}$

4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Alcohols	Similar or brown stain is produced.	Higher readings are given.
Esters	〃	〃
Ketones	〃	〃
Aromatic hydrocarbons	〃	〃
Aliphatic hydrocarbons (more than C_3)	Whole reagent is changed to Pale brown.	If the maximum end point of the stain is discernable, the accuracy of readings is not affected.
Halogenated hydrocarbons	〃	〃