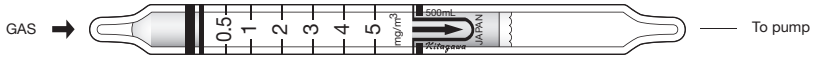
Tube No.
244U

SULPHURIC ACID



1. PERFORMANCE

1) Measuring range : 0.5-5 mg/m³
   Number of pump strokes 5 (500mℓ)
2) Sampling time : 100 seconds/5 pump strokes
3) Detectable limit : 0.2 mg/m³
4) Shelf life : 2 years
5) Operating temperature : 5 ~ 40℃
6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
7) Reading : Direct reading from the scale calibrated by 5 pump strokes
8) Colour change : Yellow → Pink

2. RELATIVE STANDARD DEVIATION

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

3. CHEMICAL REACTION

The pH indicator is discoloured.

4. CALIBRATION OF THE TUBE

ION CHROMATOGRAPHY.

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	Coexistence
Hydrogen chloride	Similar stain is produced.	Higher readings are given.
Hydrogen flouride	〃	〃
Nitrogen dioxide	〃	〃
Chlorine	〃	〃
Nitric acid	〃	〃
Hydrogen sulphide	The accuracy of readings is not affected.	The accuracy of readings is not affected.
Sulphur dioxide	〃	〃

TEMPERATURE CORRECTION TABLE

Temperature	5℃ (41°F)	10℃ (50°F)	20℃ (68°F)	30℃ (86°F)	40℃ (104°F)
Correction Factor	2.0	1.5	1.0	0.8	0.6