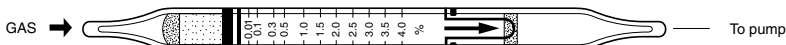


Tube No.  
**102SC**

# ACETONE



## 1. PERFORMANCE

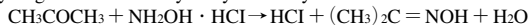
- 1) Measuring range : 0.01-4.0 %  
Number of pump strokes : 1 (100mℓ)
- 2) Sampling time : 1 minute/1 pump stroke
- 3) Detectable limit : 10 ppm
- 4) Shelf life : 1 year (Necessary to store in a refrigerated place ; 0 ~ 10℃)
- 5) Operating temperature : 0 ~ 40℃
- 6) Temperature compensation : Necessary (See "TEMPERATURE CORRECTION TABLE")
- 7) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 8) Colour change : Yellow → Pink

## 2. RELATIVE STANDARD DEVIATION

RSD-low : 10% RSD-mid. : 5% RSD-high : 5%

## 3. CHEMICAL REACTION

Hydrogen chloride of Hydroxylamine hydrochloride is liberated and acidified, and PH indicator is discoloured.



## 4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

## 5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Acrolein	Similar stain is produced.	20	Higher readings are given.
Acetaldehyde	∕	30	∕
Methyl ethyl ketone	∕	150	∕
Methyl isobutyl ketone	∕	400	∕

TEMPERATURE CORRECTION TABLE

Scale Readings (%)	True Concentration (%)				
	0℃ (32° F)	10℃ (50° F)	20℃ (68° F)	30℃ (86° F)	40℃ (104° F)
4.0	—	—	4.0	3.2	2.7
3.5	—	—	3.5	2.8	2.3
3.0	—	4.1	3.0	2.4	2.0
2.5	4.8	3.7	2.5	2.0	1.7
2.0	3.9	2.8	2.0	1.6	1.4
1.5	2.9	2.0	1.5	1.2	1.0
1.0	1.8	1.3	1.0	0.8	0.7
0.7	1.1	0.9	0.7	0.6	0.5
0.5	0.8	0.7	0.5	0.4	0.3
0.3	0.5	0.4	0.3	0.3	0.2
0.1	0.16	0.12	0.1	0.08	0.05