

1. PERFORMANCE

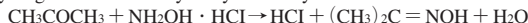
- 1) Measuring range : 0.01-4.0 %
- Number of pump strokes : 1 (100ml)
- 2) Sampling time : 1 minute/1 pump stroke
- 3) Detectable limit : 0.001 % (10 ppm)
- 4) Shelf life : 1 year (Necessary to store in refrigerated conditions ; 0 ~ 10 °C)
- 5) Operating temperature : 0 ~ 40 °C
- 6) Temperature compensation : 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

Tube Readings (%)	Corrected Concentration (%)				
	0 °C (32 °F)	10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)	40 °C (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