

**Specification :**

	Extended	Standard	Extended
Measurement Range	Do not extend	0.1- 2 ppm	Do not extend
No. of Pump Strokes		5 (500 ml)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	1 minute per pump stroke (100 ml)		
Color Change	Yellow → Blue		
Detection Limit	0.05 ppm (5 pump strokes)		
Shelf Life	2 year		
Relative standard deviation	± 10 – 15 %		

* Multiply the observed reading by the correction factor (VCF) to obtain the true concentration.

Reaction Principle :

$\text{C}_2\text{H}_8\text{N}_2 + \text{Acid} \rightarrow \text{Reaction product}$

Possible Interferences :

Compound	Concentration (ppm)	Interference	Color Change / Comments
Methylamine		+	Blue
Hydrazine		+	Blue
Ethylamine		+	Blue

Correction For Environmental Parameters :

Temperature	Not necessary between 0 - 40°C (32 - 104°F).
Relative humidity	Not necessary between 10 - 90 %.

Calibration Of The Tube :

Static gas dilution method.