

**Specification:**

Measurement Range	Extended	Standard	Extended
	Do not extend	0.5 - 10 ppm	Do not extend
No. of Pump Strokes		5 (500 ml)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	1.5 minute per pump stroke (100 ml)		
Color Change	Yellow → Blue		
Detection Limit	0.2 ppm (5 pump Strokes)		
Shelf Life	1 year		
Relative standard deviation	± 10 to 15 %		

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

Reaction Principle:

NH₃ + Acid → Reaction product.

Possible Interferences:

Compound	Concentration (ppm)	Interference	Color Change / Comments
Amines		+	Blue
Hydrazine		+	Blue
Carbon dioxide	≤2%	No	No Effect
Carbon monoxide	≤100	+	Blue Ring

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 :

High-pressure gas cylinder method.

TLV (TWA): 25 ppm

TLV (STEL): 35 ppm

Flammable Range: 15 – 28 %