

**Specification :**

Measurement Range	Extended	Standard	Extended
	Do not extend	1 - 15 ppm	Do not extend
No. of Pump Strokes		3 (300 ml)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	1.5 minutes per pump stroke (100 ml)		
Color Change	Purple → Yellow		
Detection Limit	0.5 ppm (3 pump strokes)		
Shelf Life	1 year		
Relative standard deviation	± 10 – 15 %		

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

Reaction Principle :

HCOOH + Base → Reaction Product

Possible Interferences :

Compound	Concentration (ppm)	Interference	Color Change / Comments
Acetic acid		+	Yellow
Hydrogen chloride		+	Yellow
Nitric acid		+	Yellow
Chlorine		+	Yellow
Sulphur dioxide		+	Yellow
Nitrogen dioxide		+	Yellow

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.