

**Performance :**

Measurement Range	Extended	Standard	Extended
	Do not extend	0.5 - 30 ppm	30 - 60 ppm
No. of Pump Strokes		4 (400 ml)	2 (200 ml)
Volume Correction Factor (VCF)*		1.0	2.0
Sampling Time	1 minutes per pump stroke (100 ml)		
Color Change	Pale green → Purple		
Detection Limit	0.2 ppm (4 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 :**

HF + Base → Reaction product

**Possible Interferences :**

Compound	Concentration (ppm)	Interference	Color Change / Comments
Hydrogen chloride		+	Purple
Chlorine	≤27	No	No Effect
Hydrogen sulphide	≤800	No	No effect
Sulphur dioxide	≤200	No	No effect

**Correction For Environmental Parameters :**

Temperature	Not necessary between 0 - 40°C (32 - 104°F).
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Relative Humidity at 20°C:	30%	40%	50%	60%	80%
Correction Factor (HCF)*:	0.5	0.7	1.0	1.2	1.7

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

**Calibration Of The Tube :**

Static gas dilution method.