

**Specification :**

	Extended	Standard	Extended
Measurement Range	Do not extend	0.3 – 5 ppm	Do not extend
No. of Pump Strokes		3 (300 ml)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	2.0 minute per pump stroke (100 ml)		
Color Change	Off White → Purple		
Detection Limit	0.1 ppm (3 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 :

PH₃ + Gold compound → Reaction product

Possible Interferences :

Compound	Concentration (ppm)	Interference	Color Change / Comments
Arsine		+	Purple
Hydrogen sulfide		+	Purple
Hydrogen selenide		+	Purple
Hydrogen chloride	≤ 100	No	No effect

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.