


Specification :

Measurement Range	Extended	Standard	Extended
	0.5 - 1 ppm	1 - 30 ppm	30 - 60 ppm
No. of Pump Strokes	2 (200 ml)	1 (100 ml)	1/2 (50 ml)
Volume Correction Factor (VCF)*	0.5	1.0	2
Sampling Time	2 minutes per pump stroke (100 ml)		
Color Change	Off white → Purple		
Detection Limit	0.2 ppm (2 pump strokes)		
Shelf Life	2 years		
Relative standard deviation	± 10 - 15 %		

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

Reaction Principle :

AsH_3 + Gold compound → Reaction product

Possible Interferences :

Compound	Concentration (ppm)	Interference	Color Change / Comments
Hydrogen sulphide	25	Faint	Faint purple colour
Ammonia	≤100	No	No Effect
Sulphur dioxide	≤200	No	No Effect
Phosphine	10	+	Purple

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.