

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Arsine

AsH₃

SAR-2

TLV (TWA): 0.005 ppm

TLV (STEL): -----

Flammable Range: 5.1 – 78 %

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 minute per pump stroke (100 mL)		
Color Change	Off white → Purple		
Shelf Life	2 year		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	AsH ₃ + Gold compound → Reaction product		
Relative standard deviation	± 10 -15 %		

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

Possible interferences:

Compound	Concentration (ppm)	Interference	Colour change / Comments
Hydrogen Sulphide	25	+	Very faint colour change
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 %.



Manufactured By: Uniphos Envirotronic Pvt. Ltd.
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