

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Arsine

TWA (TLV): 0.005 ppm

AsH₃

STEL (TLV): NA

SAR-2

Flammable Range: 5.1 – 78 %

Specification:

	Extended	Standard	Extended
Measurement Range	0.5 – 15 ppm	1 - 30 ppm	2 - 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	1 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 %		

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

Possible interferences:

Compound	Concentration (ppm)	Interference	Colour change / Comments
H ₂ S	25	+	Very faint colour change
NH ₃	100	+	Very faint colour change
SO ₂	200	No	No Effect
PH ₃	10	+	Off white to 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.
Nahuli (PO), Umbergaon (Tal.)
Valsad (Dist), Gujarat, India – 396108

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