

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Sulphuric Acid

$\text{H}_2\text{SO}_4$

## SSA-1L

TLV (TWA): 1 mg/m<sup>3</sup>

TLV (STEL): 3 mg/m<sup>3</sup>

Non Flammable

### Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	0.5 - 5.0 mg/m <sup>3</sup>	Do not extend
No. of Pump Strokes		5 (500 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	3 minutes per pump stroke (100 mL)		
Color Change	Violet → Yellow		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	$\text{H}_2\text{SO}_4$ + Base → 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 chloride		+	Yellow
Hydrogen sulphide		+	Beige colour
Hydrogen fluoride		+	Yellow
Carbon monoxide	100	No	No Effect
Ammonia	50	No	No Effect

### 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

Rev.0920