

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Sulphuric Acid H_2SO_4

TWA (TLV): 1 mg/m^3

STEL (TLV): 3 mg/m^3

SSA-1L

Non Flammable

Specification:

	Extended	Standard	Extended
Measurement Range	Do not extend	$0.5\text{-}5.0 \text{ mg/m}^3$	Do not extend
No. of Pump Strokes		5 (500 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	3 minute 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	$H_2SO_4 + \text{Base} \rightarrow \text{Reaction product}$		
Relative standard deviation	$\pm 10 \%$		

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

Possible Interferences:

Compound	Concentration (ppm)	Interference	Colour change / Comments
HCl		+	Violet to Yellow
H_2S		+	Beige colour
HF		+	Violet to Yellow
CO	100	No	No Effect
NH_3	50	No	No Effect

Correction for Environmental Parameters:

Temperature	Not necessary between $0 - 40^\circ\text{C}$ ($32 - 104^\circ\text{F}$).
Relative humidity	Not necessary between 10 - 90 %.



Manufactured By: Uniphos Envirotronic Pvt. Ltd.
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Rev.0812