

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Maleic Anhydride

$C_4H_2O_3$

SAA-2

TLV (TWA): 0.1 ppm

TLV (STEL): 0.25 ppm

Flammable Range: 1.4 – 7.1 %

Specification: (Acetic acid tube SAA-2)

Measurement Range	Extended	Standard	Extended
	Do not extend	1 - 20 ppm	Do not extend
No. of Pump Strokes		1 (100 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	1.0 minute per pump stroke (100 mL)		
Color Change	Pink → 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	$C_4H_2O_3 + \text{Base} \rightarrow \text{Reaction product}$		
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
Chlorine		+	White
Hydrogen chloride		+	Yellow
Hydrogen cyanide	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.
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