

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Phenol

TLV (TWA): 5 ppm

C₆H₅OH

TLV (STEL): ----

SPE-2M

Flammable Range: 3 - 10%

Specification:

Measurement Range	Extended	Standard	Extended
	0.5 – 1 ppm	1 - 25 ppm	25 - 50 ppm
No. of Pump Strokes	4 (400 mL)	2 (200 mL)	1 (100 mL)
Volume Correction Factor (VCF)*	0.5	1.0	2.0
Sampling Time	2.0 minutes per pump stroke (100 mL)		
Color Change	Yellow → Gray		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F) in dark place		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	C ₆ H ₅ OH + Ce(NO ₃) ₆ ²⁻ → 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
Arsine		+	Gray
Sulphur dioxide	200	No	No Effect
Hydrogen Sulphide		+	Gray

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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