

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Furfural

$C_5H_4O_2$

SFL-2M

TLV (TWA): 2 ppm

TLV (STEL): ----

Flammable Range: 2.1 – 19.3 %

Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	1 - 16 ppm	Do not extend
No. of Pump Strokes		4 (400 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	2 minutes per pump stroke (100 mL)		
Color Change	Pale Yellow → Orange		
Shelf Life	2 years		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	$C_5H_4O_2 + 2,4\text{-Dinitrophenylhydrazine} \rightarrow$ Dinitrophenylhydrazone		
Relative standard deviation	± 10 – 15 %		

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

Possible Interferences:

Compound	Concentration (ppm)	Tube Reading (ppm)	Colour change / Comments
Ketones		+	Orange

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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