

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

1,3 Butadiene

CH₂:CHCH:CH₂

SBU-2M

TLV (TWA): 2 ppm

TLV (STEL): ----

Flammable Range: 10-16%

Specification:

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	2.5 minutes per pump stroke (100 mL)		
Color Change	Pink → Off white		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle (Double Tube)	1,3 Butadiene + KMnO ₄ → Off white 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
Acetylene		+	Off White
Hydrogen sulphide		+	Pale yellow
Hydrogen cyanide	55	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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