

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## 1,3 Butadiene

CH<sub>2</sub>:CHCH:CH<sub>2</sub>

## SBU-3

TWA (TLV): 2 ppm

STEL (TLV): NA

Flammable Range: 10-16%

### Specification:

	Extended	Standard	Extended
Measurement Range	Do not extend	5 - 100 ppm	Do not extend
No. of Pump Strokes		1 (100 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	2.0 minutes per pump stroke (100 mL)		
Color Change	Purple → 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	1,3 Butadiene + KMnO <sub>4</sub> → Off white reaction product		
Relative standard deviation	± 10 %		

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

### Possible interferences:

Compound	Concentration (ppm)	Interference	Colour change / Comments
Acetylene		+	White
H <sub>2</sub> S	15	+	Pale yellow
HCN		+	White
HCl	100	No	No Effect
NH <sub>3</sub>	45	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.  
Nahuli (PO), Umbergaon (Tal.)  
Valsad (Dist), Gujarat, India – 396108

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