

# 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

TLV (TWA): 2 ppm

TLV (STEL): ----

Flammable Range: 10-16%

### Specification:

Measurement Range	Extended	Standard	Extended
	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/Yellowish		
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 <sub>4</sub> → 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/Yellowish
Hydrogen sulphide	15	+	Off White/Yellowish
Hydrogen cyanide		+	Off White/Yellowish
Hydrogen chloride	100	No	No Effect
Ammonia	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.  
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