

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## 2- Butanol

## C<sub>4</sub>H<sub>9</sub>OH

## SIB-4L

TLV (TWA): 100 ppm

TLV (STEL): ---

Flammable Range: 1.7- 9.8%

### Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	10-150 ppm	20-300 ppm
No. of Pump Strokes		2 (200 mL)	1 (100 mL)
Volume Correction Factor (VCF)*		1.0	2.0
Sampling Time	3.5 minutes per pump stroke (100 mL)		
Color Change	Yellow → Pale green		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	C <sub>4</sub> H <sub>9</sub> OH + Cr <sup>6+</sup> + H <sub>3</sub> PO <sub>4</sub> → Cr <sup>3+</sup>		
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
Alcohol		+	Pale green

### 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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Rev.0720