

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Butyl Acrylate

$C_7H_{12}O_2$

## SBC-3L

TWA (TLV): 2 ppm

STEL (TLV): NA

Flammable Range: 1.5 – 7.8 %

### Specification:

	Extended	Standard	Extended
Measurement Range	Do not extend	5 – 60 ppm	Do not extend
No. of Pump Strokes		3 (300 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	2 minutes per pump stroke (100 mL)		
Color Change	Yellow → Pale blue		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	$CH_2=CHCO_2(CH_2)_3CH_3 + Cr^{6+} + H_2SO_4 \rightarrow Cr^{3+}$		
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
Alcohols		+	Yellow to pale blue
Esters		+	Yellow to pale blue
Ketones		+	Yellow to pale blue

### 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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