

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Butyl Acetate

$C_6H_{12}O_2$

## SBA-6

TLV (TWA): 150 ppm

TLV (STEL): 200 ppm

Flammable Range: 1.7 – 7.6 %

### Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	0.005 – 1 %	Do not extend
No. of Pump Strokes		1 (100 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	2 minutes per pump stroke (100 mL)		
Color Change	Yellow → Brownish green → Green		
Shelf Life	2 years		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	$CH_3CO_2(CH_2)_3CH_3 + Cr^{6+} + H_2SO_4 \rightarrow Cr^{3+}$		
Relative standard deviation	± 10 – 15 %		

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

### Possible Interferences:

Compound	Concentration (%)	Interference	Colour change / Comments
Alcohol / esters/ ketones		+	Brownish green
Propane	0.05	+	Brownish green
Hydrogen sulphide	0.1	+	Diffuse boundary
Sulphur dioxide	0.1	+	Ring

### 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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