

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Cyclohexane

C<sub>6</sub>H<sub>12</sub>

## SCY-5L

TWA (TLV): 100 ppm

STEL (TLV): NA

Flammable Range: 1.3 - 8.3%

### Specification:

	Extended	Standard	Extended
Measurement Range	Do not extend	10 – 1200 ppm	Do not extend
No. of Pump Strokes		1 (100 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	1.0 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>6</sub> H <sub>12</sub> + Cr <sup>6+</sup> + H <sub>2</sub> SO <sub>4</sub> → Cr <sup>3+</sup>		
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
Organic vapours		+	Pale Green

### Other Measurable Compounds:

Compound	Correction Factor (GCF)*	No. of pump strokes	Measuring range
n-Pentane	0.5	1	5 – 600 ppm
Hexane	0.7	1	7 – 840 ppm
n-Heptane	1.1	1	11 – 1320 ppm
n-Octane	1.64	1	16.4 – 1968 ppm

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

### Correction for Environmental Parameters:

Temperature	Not necessary between 0 - 40°C (32 - 104°F).
Relative humidity	Not necessary between 10 - 90 %.



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Rev.0812