

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Cyclohexanone $C_6H_{10}O$

## SCN-3

TWA (TLV): 20 ppm

STEL (TLV): NA

Flammable Range: 1.1 – 9.4 %

### Specification:

|                                 | Extended   | Standard    | Extended      |
|---------------------------------|--|-------------|---------------|
| Measurement Range               | Do not extend  | 2 – 100 ppm | Do not extend |
| No. of Pump Strokes             |  | 3 (300 mL)  |               |
| Volume Correction Factor (VCF)* |  | 1.0         |               |
| Sampling Time                   | 1.5 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              | $C_6H_{10}O + Cr^{6+} + H_2SO_4 \rightarrow Cr^{3+}$ |             |               |
| 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      |
| Aromatic Hydrocarbons |                     | +            | Yellow to Pale blue      |
| H <sub>2</sub> S      |                     | +            | Diffuse                  |

### 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

Rev.0812