

# Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

## Hydrogen Chloride HCl

TLV (TWA): ----

TLV (Ceiling): 2 ppm

## SHC- 2M

Non Flammable

### Specification:

| Measurement Range                | Extended                          | Standard   | Extended    |
|----------------------------------|-----------------------------------|------------|-------------|
|                                  | 1 – 2 ppm                         | 2 – 20 ppm | 20 – 40 ppm |
| No. of Pump Strokes              | 4 (400 mL)                        | 2 (200 mL) | 1 (100 mL)  |
| Volume Correction Factor (VCF)*  | 0.5                               | 1.0        | 2.0         |
| Sampling Time                    | 1 minute per pump stroke (100 mL) |            |             |
| Color Change                     | Yellow → Pink                     |            |             |
| Shelf Life                       | 2 years                           |            |             |
| Storage condition                | Below 10°C (50°F)                 |            |             |
| Calibration condition            | Calibrated at 20°C (68°F).        |            |             |
| Reaction Principle (Double Tube) | HCl + Base → Reaction product     |            |             |
| 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 |
|-------------------|---------------------|--------------|--------------------------|
| Hydrogen Fluoride |                     | +            | Pink                     |
| Ammonia           | 100                 | No           | No effect                |
| Nitrogen Dioxide  | 200                 | No           | No effect                |
| Hydrogen sulphide | 800                 | No           | No effect                |

### 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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