

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Isopropyl amine $C_3H_7NH_2$

SIA-2

TWA (TLV): 5 ppm

STEL (TLV): NA

Flammable Range: 2.0 – 10.4 %

Specification:

| Measurement Range | Extended | Standard | Extended |
|---------------------------------|--|--------------|---------------|
| | Do not extend | 2.5 – 50 ppm | Do not extend |
| No. of Pump Strokes | | 1(100 mL) | |
| Volume Correction Factor (VCF)* | | 1.0 | |
| Sampling Time | 1.5 minutes per pump stroke (100 mL) | | |
| Color Change | Yellow → 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 | $C_3H_7NH_2 + \text{Acid} \rightarrow \text{Reaction product}$ | | |
| 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 |
|-----------------|---------------------|--------------|--------------------------|
| Amines | | + | Yellow to Blue |
| NH ₃ | | + | Yellow to 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

Rev.0812