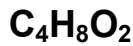


Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Ethyl Acetate



SEA-7

TWA (TLV): 400 ppm

STEL (TLV): NA

Flammable Range: 2.0 – 11.5 %

Specification:

| Measurement Range | Extended | Standard | Extended |
|---------------------------------|---|------------|---------------|
| | Do not extend | 0.1 – 5 % | Do not extend |
| No. of Pump Strokes | | 1 (100 mL) | |
| Volume Correction Factor (VCF)* | | 1.0 | |
| Sampling Time | 2.5 minutes per pump stroke | | |
| Color Change | Yellow → Pale 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 | $C_4H_8O_2 + Cr^{6+} + H_2SO_4 \rightarrow Cr^{3+}$ | | |
| 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 green |
| Esters | | + | Yellow to Pale green |
| Ketones | | + | Yellow to Pale green |
| Aromatic Hydrocarbons | | + | Yellow to Pale green |
| H ₂ S | | + | Diffuse |

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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