

1,2-Dichloroethylene ClCH:CHCl**NO.139****Performance**

| | | | |
|---|--|---------------|---------------|
| Measuring Range | 5 to 10 ppm | 10 to 100 ppm | 100 to 250ppm |
| Number of Pump Strokes | 2 | 1 | 1/2 |
| Correction Factor | 1/2 | 1 | 2.5 |
| Sampling Time | 1 minute per pump stroke | | |
| Detecting Limit | 1 ppm (n=2) | | |
| Color Change | Yellow → Reddish Purple | | |
| Reaction Principle | 1,2-Dichloroethylene is decomposed by nascent oxygen by oxidizing agent to liberate hydrogen chloride which discolors indicator to reddish purple. | | |
| Coefficient of Variation | 10% (for 10 to 20 ppm), 5% (for 20 to 100 ppm) | | |
| Shelf Life | 2 Years | | |
| Corrections for temperature & humidity | Temperature correction is necessary | | |

Store the tubes in the refrigerator to keep at 10 °C (50°F) or below.

Possible coexisting substances and their interferences (NOTE)

| Substance | Concentration | Interference | Change color by itself |
|-------------------------------------|----------------------|---------------------|-------------------------------|
| Nitrogen monoxide, Nitrogen dioxide | - | No effect | No discoloration |
| Hydrogen chloride, Halogens | - | Plus error | Produce reddish purple stain |
| Tetrachloroethylene | - | Plus error | Produces reddish purple stain |
| Trichloroethylene | - | Plus error | Produces reddish purple stain |

Calibration gas generation Diffusion tube method

| TLV-TWA | TLV-STEL | Explosive range |
|---------|----------|-----------------|
| 200ppm | - | - |

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Policy Statement and Legal Notices

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