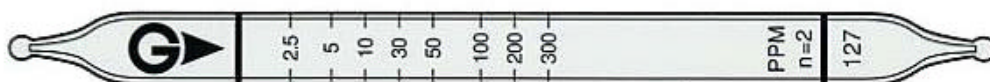


**O-Dichlorobenzene**C<sub>6</sub>H<sub>4</sub>Cl<sub>2</sub>  
Humidity  
Correction**NO.127****Performance**

|   |   |
|---|---|
| <b>Measuring Range</b>                            | 2.5 to 300 ppm  |
| <b>Number of Pump Strokes</b>                     | 2   |
| <b>Correction Factor</b>                          | 1   |
| <b>Sampling Time</b>                              | 1.5 minutes per pump stroke   |
| <b>Detecting Limit</b>                            | 1 ppm (n=2)   |
| <b>Color Change</b>                               | White → Brownish gray   |
| <b>Reaction Principle</b>                         | o-Dichlorobenzene reacts with iodine pentoxide to liberate iodine to discolor the reagent to brownish gray. |
| <b>Coefficient of Variation</b>                   | 10% (for 2.5 to 10 ppm), 5% (for 30 to 300 ppm)   |
| <b>Shelf Life</b>                                 | 3 Years   |
| <b>Corrections for temperature &amp; humidity</b> | Temperature correction is necessary   |
| <b>Store the tubes at cool and dark place.</b>    |   |

**Possible coexisting substances and their interferences** (NOTE)

| Substance             | Concentration | Interference | Change color by itself            |
|-----------------------|---------------|--------------|-----------------------------------|
| Aromatic hydrocarbons | -             | Plus error   | Produce brownish gray             |
| Acetylene             | 0.2%          | -            | Produce pale brown to whole layer |
| Carbon monoxide       | 0.1%          | -            |                                   |
| Ethylene Esters       | 0.2%          | -            |                                   |
| Hexane                | 0.2%          | -            |                                   |
| Alcohols, Ketones     | 1%            | Plus error   | No discoloration                  |

**Other substance measurable with this detector tube**

| Substance         | Correction Factor | Pump Strokes | Measuring Range |
|-------------------|-------------------|--------------|-----------------|
| m-Dichlorobenzene | 1.0               | 2            | 2.5 to 300 ppm  |
| p-Dichlorobenzene | 1.0               | 2            | 2.5 to 300 ppm  |

**Calibration gas generation** Diffusion tube method

| TLV-TWA | TLV-STEL | Explosive range |
|---------|----------|-----------------|
| 25ppm   | 50ppm    | 2.2 to 12%      |

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Policy Statement and Legal Notices

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