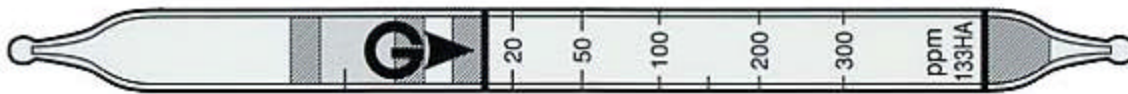


Tetrachloroethylene $\text{Cl}_2\text{C}:\text{CCl}_2$ **NO.133HA****Performance**

| | | | |
|--|--|--------------|---------------|
| Measuring Range | 7 to 20 ppm | 20 to 300ppm | 300 to 900ppm |
| Number of Pump Strokes | 2 | 1 | 1/2 |
| Correction Factor | 1/3 | 1 | 3 |
| Sampling Time | 45 seconds per pump stroke | | |
| Detecting Limit | 0.5 ppm (n=2) | | |
| Color Change | Yellow → Reddish purple | | |
| Reaction Principle | Tetrachloroethylene is decomposed by oxidizing agent to liberate hydrogen chloride, which produce reddish purple stain.. | | |
| Coefficient of Variation | 10% (for 20 to 100 ppm), 5% (for 100 to 300 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 |
|--------------------------------------|---------------|--------------|---|
| Chlorine, Bromine, Hydrogen chloride | - | Plus error | Produce reddish purple |
| 1,1,1-Trichloroethane | 3000 ppm | Plus error | Produce reddish purple stain at 3,000 ppm |
| Trichloroethylene | - | Plus error | Produce reddish purple |
| Unsaturated Halogenated HCs | - | Plus error | Produce reddish purple |

Calibration gas generation Diffusion tube method

| | | |
|---------|----------|-----------------|
| TLV-TWA | TLV-STEL | Explosive range |
| 25ppm | 100ppm | - |

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