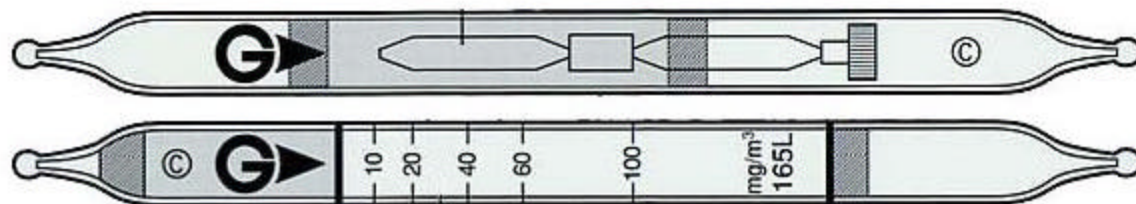


**Ethylene glycol****no.165L****Performance**

|  |   |
|--|---|
| <b>Measuring Range</b>   | 10 to 100 mg/m <sup>3</sup>   |
| <b>Number of Pump Stroke</b>   | 2   |
| <b>Correction Factor</b>   | 1   |
| <b>Sampling Time</b>   | 2 minutes per pump stroke   |
| <b>Detecting Limit</b>   | 2 mg/m <sup>3</sup> (n=2)   |
| <b>Color Change</b>  | Yellow → Reddish brown  |
| <b>Reaction Formula</b>  | Ethylene glycol reacts with oxidizing agent to produce intermediate substance then react with analyzing reagent to discolor the indicator to reddish brown color. |
| <b>Coefficient of Variation</b>  | 15% (for 10 to 50 mg/m <sup>3</sup> ), 10% (for 50 to 150 mg/m <sup>3</sup> )   |
| <b>Shelf Life</b>  | 3 Years   |
| <b>Corrections for temperature &amp; humidity</b>                            | Temperature correction is necessary   |
| <b>Store the tubes in the refrigerator to keep at 10 °C (50°F) or below.</b> |   |

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

| Substance                                 | Concentration      | Interference | Change color by itself                                  |
|---|--------------------|--------------|---|
| Aldehydes, Ketones, Acid gases            | -                  | Plus error   | Discolor reddish brown stain                            |
| Tetrahydrothiophene, tert-Butyl mercaptan | 1mg/m <sup>3</sup> | Plus error   | Discolor reddish brown at 1 mg/m <sup>3</sup> or higher |

**Calibration gas generation** Vaper pressure method

| TLV-TWA | TLV-STEL                | Explosive range |
|---------|-------------------------|-----------------|
| -       | C 100 mg/m <sup>3</sup> | 3.2 to 33%      |

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Policy Statement and Legal Notices

Nextteq is Gastec's Exclusive U.S. Master Wholesale Distributor. Gastec tubes and pumps are manufactured by the Gastec Corporation.