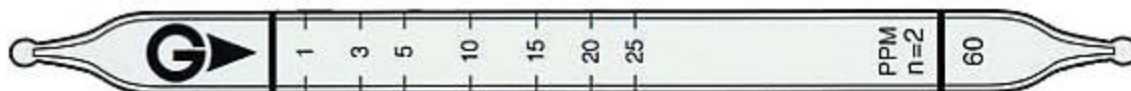


**Phenol**C<sub>6</sub>Humidity  
Correction<sub>5</sub>OH**NO.60****Performance**

<b>Measuring Range</b>	0.4 to 1 ppm	1 to 25 ppm	25 to 62.5 ppm	62.5 to 187 ppm
<b>Number of Pump Strokes</b>	4	2	1	1/2
<b>Correction Factor</b>	0.4	1	2.5	7.5
<b>Sampling Time</b>	1.5 minutes per pump stroke			
<b>Detecting Limit</b>	0.1 ppm (n = 4)			
<b>Color Change</b>	Pale yellow → Gray			
<b>Reaction Principle</b>	Phenol react with Ceric Ammonium Nitrate to form a condensation polyer which color is gray $\text{C}_6\text{Humidity Correction}_5\text{OH} + \text{Ce}(\text{NO}_3)_6^{2-} \longrightarrow \text{C}_6\text{Humidity Correction}_5\text{OCe}(\text{NO}_3)_5^{2-}$			
<b>Coefficient of Variation</b>	15% (for 1 to 5 ppm), 10% (for 5 to 25 ppm)			
<b>Shelf Life</b>	2 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
Ammonia	2000 ppm	Plus error (faint demarcation)	Produce white stain
Amines	2000 ppm		
Cresol	-	Plus error	Produce gray stain

**Other substance measurable with this detector tube**

Substance	Correction Factor	Pump Strokes	Measuring Range
Naphthalene	by Scale	2	0.5 to 14 ppm

**Calibration gas generation** Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range
5 ppm	-	3 to 10 %



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