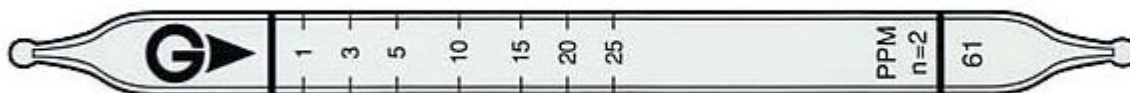


**o-Cresol**

C<sub>6</sub>H<sub>4</sub>(OH)CH<sub>3</sub>  
 Humidity Correction  
 Factor 0.4

**NO.61****Performance**

<b>Measuring Range</b>	0.4 to 1 ppm	1 to 25 ppm	25 to 62.5 ppm
<b>Number of Pump Strokes</b>	4	2	1
<b>Correction Factor</b>	0.4	1	2.5
<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>	<p>Cresol react with Ceric Ammonium Nitrate to form a condensation polymer which color is brown</p> $\text{C}_6\text{H}_4(\text{OH})\text{CH}_3 + \text{Ce}(\text{NO}_3)_6 \longrightarrow \text{C}_6\text{H}_4(\text{O}(\text{CH}_2)_2\text{O})_n\text{Ce}(\text{NO}_3)_5^{2-}$		
<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		
Phenol	-	Plus error	Produce gray stain

**Other substance measurable with this detector tube**

Substance	Correction Factor	Pump Strokes	Measuring Range
m-Cresol	1.0	2	1 to 25 ppm
p-Cresol	1.0	2	1 to 25 ppm

**Calibration gas generation**      Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range
5ppm	-	-



© 2002 Nextteq LLC

---

Nextteq LLC – 8406 Benjamin Rd., Suite J, Tampa FL 33634, USA  
Phone (toll free): 877-312-2333 Fax (toll free) 877-312-2444

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.