

**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>Colour Change</b>	Pale yellow → Gray		
<b>Reaction Principle</b>	$C_6H_5(CH_3)OH + Ce(NO_3)_6^{2-} \longrightarrow C_6H_5O(CH_3)Ce(NO_3)_5^{2-}$		
<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**

Substance	Concentration	Interference	Change colour by itself
Ammonia	≥2000 ppm	Plus error	Produce white stain
Amines	≥2000 ppm	Plus error	Produce white stain
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
5 ppm	-	-