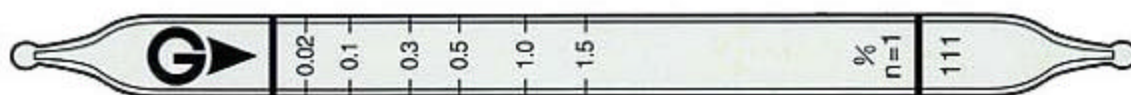


**Methanol**CH<sub>3</sub>OH**NO.111****Performance**

<b>Measuring Range</b>	0.002 to 0.004%	0.004 to 0.02%	0.02 to 1.5%	1.5 to 4.5%
<b>Number of Pump Strokes</b>	4	2	1	1/2
<b>Correction Factor</b>	1/9	1/5	1	3
<b>Sampling Time</b>	3 minutes per pump stroke			
<b>Detecting Limit</b>	0.0004% (n=4)			
<b>Color Change</b>	Pink → Pale Blue			
<b>Reaction Principle</b>	Isopropyl alcohol reduces potassium dichromate to form chromic sulfate, which is pale blue in color $\text{CH}_3\text{OH} + \text{Cr}^{6+} + \text{H}_2\text{SO}_4 \longrightarrow \text{Cr}^{3+}$			
<b>Coefficient of Variation</b>	15% (for 0.02 to 0.5 %), 10% (for 0.5 to 1.5 %)			
<b>Shelf Life</b>	3 Years			
<b>Corrections for temperature &amp; humidity</b>	Temperature correction is necessary			
<b>Store the tubes at cool and dark place.</b>				

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

Substance	Concentration	Interference	Change color by itself
Other alcohols	-	Plus error	Produce similar stain by themselves
Carbon dioxide	-	No effect	No discoloration
Carbon monoxide	-	No effect	No discoloration
Sulfur dioxide	-	No effect	No discoloration

**Calibration gas generation** Static gas dilution method

TLV-TWA	TLV-STEL	Explosive range
200ppm	250ppm	6 to 36%

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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.