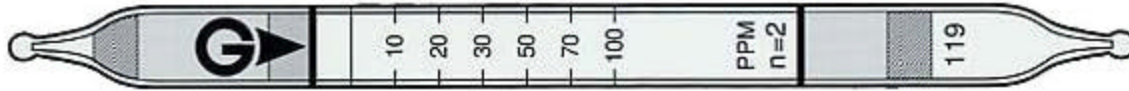


MethylcyclohexanolCH₃C₆H₁₁OH
Humidity Correction₁₀**NO.119****Performance**

Measuring Range	5 to 100 ppm
Number of Pump Strokes	2
Correction Factor	1
Sampling Time	2 minutes per pump stroke
Detecting Limit	1 ppm (n=2)
Color Change	Yellow → Pale blue
Reaction Principle	Methyl Cyclohexanol reduces potassium dichromate to form chromic sulfate, which is pale blue in color $\text{CH}_3\text{C}_6\text{H}_{11}\text{OH} + \text{K}_2\text{Cr}_2\text{O}_7 + \text{H}_3\text{PO}_4 \longrightarrow \text{Cr}_2(\text{SO}_4)_3$
Coefficient of Variation	10% (for 5 to 50 ppm), 5% (for 50 to 250 ppm)
Shelf Life	2 Years
Corrections for temperature & humidity	Temperature correction is necessary
Store the tubes at cool and dark place.	

Possible coexisting substances and their interferences (NOTE)

Substance	Concentration	Interference	Change color by itself
Alcohols	-	Plus error	Produce pale blue stain by themselves.
Aromatic HCs	-	Plus error	Produce pale blue stain by themselves

Calibration gas generation Vapor pressure method

TLV-TWA	TLV-STEL	Explosive range
50ppm	-	1% or higher

Policy Statement and Legal Notices

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