

Tetrachloroethylene**NO.133M****Performance**

Measuring Range	2 to 5 ppm	5 to 100 ppm	100 to 250 ppm
Number of Pump Strokes	2	1	1/2
Correction Factor	0.4	1	2.5
Sampling Time	1 minute per pump stroke		
Detecting Limit	0.4 ppm (n=2)		
Color Change	Yellow → Reddish purple		
Reaction Principle	Tetrachloroethylene is decomposed by oxidizing agent to liberate hydrogen chloride, which produce reddish purple stain..		
Coefficient of Variation	10% (for 5 to 20 ppm), 5% (for 20 to 100 ppm)		
Shelf Life	2 Years		
Corrections for temperature & humidity	Temperature correction is necessary		
Store the tubes in the refrigerator to keep at 10 °C (50°F) or below.			

Possible coexisting substances and their interferences (NOTE)

Substance	Concentration	Interference	Change color by itself
Nitric oxide, Nitrogen dioxide	-	No effect	No discoloration
Chlorine, Bromine, Hydrogen chloride	-	Plus error	Produce reddish purple
Acetone	200 ppm	No effect	No discoloration
Unsaturated halogenated HCs		Plus error	Produce reddish purple
Aromatic hydrocarbons	100 ppm	Minus error	No discoloration

Calibration gas generation Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range
25ppm	100ppm	-

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