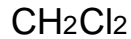


Methylene chloride**NO.138****Performance**

Measuring Range	20 to 50 ppm	50 to 500 ppm
Number of Pump Stroke	2	1
Correction Factor	0.4	1
Sampling Time	3 minutes per pump stroke	
Detecting Limit	10 ppm (n=2)	
Color Change	White → Pale Pink	
Reaction Principle	$\text{CH}_2\text{:Cl}_2 + \text{CrO}_3 + \text{H}_2\text{S}_2\text{O}_7 \longrightarrow \text{Cl}_2$ $\text{Cl}_2 + \text{3,3,5,5-Tetramethylbenzidine} \longrightarrow \text{Holoquinone}$	
Coefficient of Variation	15% (for 50 to 100 ppm), 10% (for 100 to 500 ppm)	
Shelf Life	3 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
Cl ₂ , Br ₂ , I ₂	-	Plus error	Discolors pale pink
Unsaturated halogenated HCs	-	Plus error	Discolors pale pink
Saturated halogenated HCs	-	Plus error	Discolors pale pink

Other substance measurable with this detector tube

Substance	Correction Factor	Pump Strokes	Measuring Range
Ethyl Chloride	0.3	1	15 to 150 ppm

Calibration gas generation Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range

50ppm

-

15.5 to 66.9%



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Nextteq LLC – 8406 Benjamin Rd., Suite J, Tampa FL 33634, USA

Phone (toll free): 877-312-2333 Fax (toll free) 877-312-2444

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