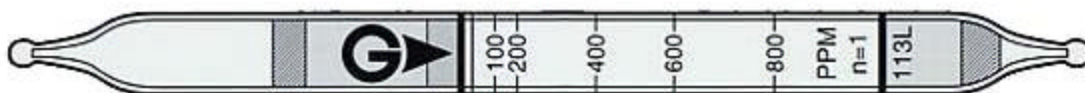


Isopropyl alcohol
 $\text{CH}_3\text{CH}(\text{OH})\text{CH}_3$
 (i-C₃H₈O)
NO.113L**Performance**

Measuring Range	25 to 50 ppm	50 to 800 ppm
Number of Pump Strokes	2	1
Correction Factor	1/2	1
Sampling Time	3 minutes per pump stroke	
Detecting Limit	5 ppm (n=2)	
Color Change	Pink → Pale blue	
Reaction Principle	Isopropyl alcohol reduces potassium dichromate to form chromic sulfate, which is blue in color $\text{C}_2\text{Humidity Correction}_5\text{OH} + \text{K}_2\text{Cr}_2\text{O}_7 + \text{H}_2\text{SO}_4 \longrightarrow \text{Cr}_2(\text{SO}_4)_3$	
Coefficient of Variation	15% (for 50 to 200 ppm), 10% (for 200 to 800 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
Alcohols	-	Plus error	Produce similar stain by themselves.

Other substance measurable with this detector tube

Substance	Correction Factor	Pump Strokes	Measuring Range
Divinyl methoxysilane	0.05	2	2.5 to 40 ppm
Ethylene glycol MEE	1.25	2	62.5 to 1000 ppm
Ethylene glycol MEEAc	0.12	3	6 to 96 ppm
1-Methoxy-2-propanol	1.0	4	50 to 800 ppm
Propyl alcohol	1.3	1	65 to 1040 ppm
Vinyl trimethoxysilane	0.05	2	2.5 to 40 ppm
Ethylene glycol MBE	by scale	2	30 to 1000 ppm
Ethylene glycol MME	by scale	2	15 to 900 ppm
Ethylene glycol MMEAc	by scale	2,4	20 to 1300 ppm

Calibration gas generation Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range
400ppm	500ppm	2 to 12.7%



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