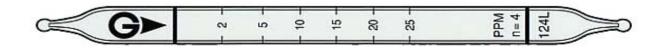
Styrene C6H5CH:CH2 No.124L



Performance

Measuring Range	2 to 25 ppm	25 to 100 ppm		
Measuring Name	2 to 20 ppm	23 το 100 μμπ		
Number of Pump Strokes	4	1		
Correction Factor	1	4		
Sampling Time	30 seconds per pump stroke			
Detecting Limit	0.5 ppm (n=4)			
Colour Change	White → Yellow			
Reaction Principle	Styrene reacts with sulphuric acid fuming to form a condensation polymer which is yellow stain. C ₆ H ₅ CH:CH ₂ + H ₂ S ₂ O ₇ → Condensation polymer			
Coefficient of Variation	10% (for 2 to 5 ppm), 5% (for 5 to 25 ppm)			
Shelf Life	3 Years			
Corrections for temperature & humidity	Unnecessary			
Store the tubes at cool and dark place.				

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Change colour by itself
Alcohols, Esters	<u>≥</u> 10 times	Plus error (Bleaching)	No discoloration
Aldehydes, Ketones	≥10 times	Plus error (Bleaching)	No discoloration
Butadiene	≧5 ppm	Plus error (Bleaching)	Produce blackish brown

Other substance measurable with this detector tube

Substance	Correction Factor	Pump Strokes	Measuring Range
Divinyl benzene	0.6	3	1 to 15 ppm

Calibration gas generation Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range
20ppm	40ppm	1.1 to 6.1%