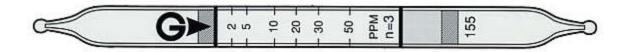
Methylcychlohexanone

C7Humidity Correction₁₂O

NO.155



Performance

Measuring Range	2 to 50 ppm	50 to 100 ppm	
Number of Pump Strokes	3	2	
Correction Factor	1	2	
Sampling Time	3 minutes per pump stroke		
Detecting Limit	0.2 ppm (n=3)		
Color Change	Pale Yellow ──> Yellow		
Reaction Principle	Methyl cyclohexanone reacts with 2,4-dinitrophenylhydrazineto form dinitropnenylhydrazone to produce yellow in color. C ₇ Humidity Correction ₁₂ O + C ₆ Humidity Correction ₃ (NO ₂) ₂ NHNH ₂ (CH ₃) ₂ C:NNHC ₆ Humidity Correction ₃ (NO ₂) ₂		
Coefficient of Variation	15% (for 2 to 10 ppm), 10% (for 10 to 50 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
Ketones	-	Plus error	Discolors to yellow

Calibration gas generation Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range
50ppm	75ppm	1.15% or higher



Phone (toll free): 877-312-2333 Fax (toll free) 877-312-2444 <u>Policy Statement</u> and <u>Legal Notices</u>

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