

Isopropyl acetate

CH₃CO₂CH(CH₃)₂
 (i-CH₃CO₂C₃Humidity
 Correction 7)

NO.146**Performance**

Measuring Range	20 to 500 ppm
Number of Pump Strokes	2
Correction Factor	1
Sampling Time	4 minutes per pump stroke
Detecting Limit	5 ppm (n=2)
Color Change	Yellow → Blackish brown → Pale blue after few minutes
Reaction Principle	Isopropyl acetate reduces chromic acid to produce blackish brown.
Coefficient of Variation	15% (for 20 to 100 ppm), 10% (for 100 to 500 ppm)
Shelf Life	2 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 blackish brown then turns to pale blue
Ketones	-	Plus error	
Esters	-	Plus error	

Calibration gas generation Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range
250ppm	310ppm	1.8 to 8%

Policy Statement and Legal Notices

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