

Ethyl acetate CH₃CO₂C₂H₅ Humidity Correction₅**no.141****Performance**

Measuring Range	0.1 to 1.5%
Number of Pump Stroke	1
Correction Factor	1
Sampling Time	2 minutes per pump stroke
Detecting Limit	0.01% (n=1)
Color Change	Orange → Dark green
Reaction Principle	CH ₃ CO ₂ C ₂ H ₅ Humidity Correction ₅ + Cr ⁶⁺ + H ₂ SO ₄ → Cr ³⁺
Coefficient of Variation	10% (for 0.04 to 0.3 %), 5% (for 0.3 to 1.5 %)
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
Sulfur dioxide	500 ppm	Plus error	Discolors green
Hydrogen sulfide	500 ppm	Plus error	Discolors dark green
Alcohols, Esters, Ketones		Plus error	Discolors dark green
Propane	0.2%	Plus error	Dark green (whole layer)
Aromatic HCs	500 ppm	Plus error	Discolors dark green

Other substance measurable with this detector tube

Substance	Correction	Pump Strokes	Measuring Range
Vinyl acetate	Factor: 0.6	1	0.02 to 0.9%

Calibration gas generation Static gas dilution method

TLV-TWA	TLV-STEL	Explosive range
400ppm	-	2 to 11.5%



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