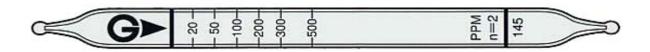
$\begin{array}{c} CH_3CO_2CH_2CH_2CH_3\\ (CH_3CO_2C_3H_7)\end{array}$

NO.145



Performance

Measuring Range	20 to 500 ppm		
Number of Pump Strokes	2		
Correction Factor	1		
Sampling Time	4 minutes per pump stroke		
Detecting Limit	4 ppm (n=2)		
Colour Change	Yellow		
Reaction Principle	Propyl acetate reduces cromic acid to produce blackish brown.		
	$CH_3CO_2CH_2CH_2CH_3 + Cr^{6+} + H_2SO_4 \longrightarrow Cr^{3+}$		
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

Substance	Concentration	Interference	Change colour by itself
Alcohols	-	Plus error	Produce blackish brown then turns to pale blue
Ketones	-	Plus error	Produce blackish brown then turns to pale blue
Esters	-	Plus error	Produce blackish brown then turns to pale blue

Calibration gas generation Diffusion tube method

TLV-TWA	TLV-STEL	Explosive range
200ppm	250ppm	1.7 to 8%