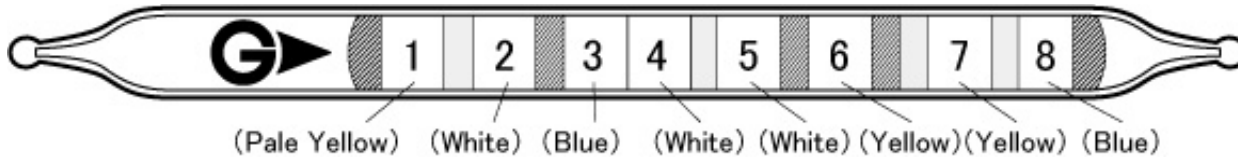


Polytec-V

NO.28

Qualitative Analysis

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Specification

Number of Pump Stroke	1
Sampling Time	30sec. per pump stroke
Shelf Life	1.5 Years

Reaction Principle	1.Reaction with indicator
	2.Reaction with p-Dimethylaminobenzaldehyde
	3.Reaction with Barium Chloride and indicator
	4.Reaction with o-Tolidine
	5.Reaction with Lead Acetate
	6.Reaction with Silver (I) Nitrate and indicator
	7.Reaction with Sodium Hydrogen Sulphite
	8.Neutralising reaction

Colour Change of Each Layer

Substance	Conc. (ppm)	Colour Change							
		1 (Pale Yellow)	2 (White)	3 (Blue)	4 (White)	5 (White)	6 (Yellow)	7 (Yellow)	8 (Blue)
Hydrogen Chloride	≥ 5	Red (Inlet)	-	-	-	-	-	-	-
	≥ 150	Red (WL)	-	-	-	-	-	-	-
Phosgene	≥ 0.5	-	Yellow (Inlet)	-	-	-	-	-	-
	≥ 20	-	Yellow (WL)	-	-	-	-	-	-
Chlorine	≥ 7	-	Yellow (Inlet)	-	-	-	-	-	-
	≥ 50	-	Yellow (WL)	-	-	-	-	-	-

Yellow

Sulphur Dioxide	≥ 10 ≥ 50	-	-	(Inlet) Yellow (WL)	-	-	-	-	-
Nitrogen Dioxide	≥ 5 ≥ 30	-	Yellow (Inlet)	-	Yellow (Inlet) Yellow (WL)	-	-	-	-
Hydrogen Sulphide	≥ 10 ≥ 200 ≥ 800	-	-	-	-	Brown(Inlet) Brown(WL) Brown(WL)	Pink(Inlet) Pink(WL)	-	-
Hydrogen Cyanide	≥ 5 ≥ 30	-	-	-	-	-	Pink(Inlet) Pink(WL)	-	-
Carbon Monoxide	≥ 25 ≥ 100	-	-	-	-	-	-	BB (Inlet) BB (WL)	-
Hydrogen	≥ 50000 ≥ 100000	-	-	-	-	-	-	Gray(WL) BB (WL)	-
Hydrogen Phosphide	≥ 0.5 ≥ 5 ≥ 50 ≥ 700	-	-	-	-	-	Pink(Inlet) Pink(WL) Pink(WL) Pink(WL)	BB (Inlet) BB (WL)	-
Acetylene	≥ 200 ≥ 2000	-	-	-	-	-	-	BB (Inlet) BB (WL)	-
Ethylene	≥ 10000	-	-	-	-	-	-	BB (Inlet)	-
Propylene	≥ 10000 ≥ 50000	-	-	-	-	-	-	Gray(Inlet) Gray (WL)	-
Methyl Mercaptan	≥ 200 ≥ 1000	-	-	-	-	-	-	YO (Inlet) YO (WL)	-
Carbon Dioxide	≥ 5000 ≥ 20000	-	-	-	-	-	-	-	Brown (Inlet) Brown (WL)

Note: WL: Whole layer; BB: Blackish brown; YO: Yellowish orange;

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