

Tube No.
135SG

TETRACHLOROETHYLENE



1. PERFORMANCE

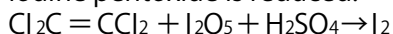
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|--------------------------|---|----------|
| 1) Measuring range | : 0.2-2.0% | 0.1-0.2% |
| Number of pump strokes | 1(100mL) | 2(200mL) |
| 2) Sampling time | : 3.5 minutes/1 pump stroke | |
| 3) Detectable limit | : 0.08 % (200mL) | |
| 4) Shelf life | : 2 years | |
| 5) Operating temperature | : 0~40°C | |
| 6) Reading | : Direct reading from the scale calibrated by 1 pump stroke | |
| 7) Colour change | : White → Dark brown | |

2. RELATIVE STANDARD DEVIATION

RSD-low : 10% RSD-mid. : 10% RSD-high : 10%

3. CHEMICAL REACTION

Iodine pentoxide is reduced.



4. CALIBRATION OF THE TUBE

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	%	Coexistence
Trichloroethylene	Yellow stain is produced.	0.2	Higher readings are given.
1,1,1-Trichloroetane	Orange stain is produced.	0.3	//
1,2-Dichloroethylene	//	0.1	//
Vinyl chloride	//	0.02	//
Aromatic hydrocarbons	Blackish brown stain is produced.	-	No interference
Carbon monoxide	Brownish-red stain is produced.	0.05	Higher readings are given.

(NOTE)

In case of 2 pump strokes, following formula is available for the actual concentration.

Actual concentration = Reading value × 0.5