

1. PERFORMANCE

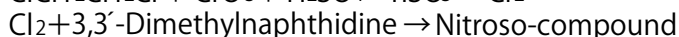
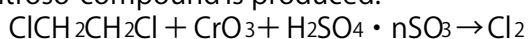
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|--------------------------|------------------------------------------------------------------|-----------|-----------|-----------|
| 1) Measuring range | : 11-110ppm | 5-50ppm | 2.5-25ppm | 1-10ppm |
| Number of pump strokes | 1/2 (50mL) | 1 (100mL) | 2 (200mL) | 5 (500mL) |
| 2) Sampling time | : 2 minutes / 1 pump stroke | | | |
| 3) Detectable limit | : 0.2 ppm | | | |
| 4) Shelf life | : 1 year (Necessary to store in refrigerated conditions; 0~10°C) | | | |
| 5) Operating temperature | : 0~40°C | | | |
| 6) Reading | : Direct reading from the scale calibrated by 1 pump stroke | | | |
| 7) Colour change | : White → Purple | | | |

2. RELATIVE STANDARD DEVIATION

RSD-low : 15% RSD-mid. : 10% RSD-high : 10%

3. CHEMICAL REACTION

By decomposing with an oxidizer, Chlorine is produced. Chlorine reacts with 3,3'-Dimethylnaphthidine and Nitroso-compound is produced.



4. CALIBRATION OF THE TUBE

DIFFUSION TUBE METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Nitrogen oxides	Similar stain is produced.	—	Higher readings are given.
Halogens	//	—	//
Halogenated hydrocarbons	//	—	//
Hexane	The accuracy of readings is not affected.	100	Lower readings are given.

(NOTE)

In case of 1/2, 2 and 5 pump strokes, the following formula is available for the actual concentration.

1/2 pump strokes : Actual concentration = Reading value × 2.2

2 pump strokes : Actual concentration = Reading value × 0.5

5 pump strokes : Actual concentration = Reading value × 0.2