

Toluene Diisocyanate 0.02/A

Order No. 67 24 501

Application Range

Standard Measuring Range:	0.02 to 0.2 ppm Discoloration compared to color comparison tube.
Number of Strokes n:	25
Time for Measurement:	approx. 20 min
Standard Deviation:	± 30 %
Color Change:	white → orange

Ambient Operating Conditions

Temperature:	15 to 30 °C
Absolute Humidity:	< 20 mg H ₂ O / L

Reaction Principle

- Pyridylpyridinium chloride + NaOH → Glutaconaldehyde sodium oleteate
- 2,4-TDI (also for 2,6-TDI) + HCl → Aromatic amine
- Aromatic amine + Glutaconaldehyde → orange reaction product

Cross Sensitivity

Other isocyanates are not indicated.

No interference by:

- 5 ppm aniline
- 10 ppm benzylamine
- 5 ppm toluene
- 20 ppm benzene

Mercaptans also discolor the indicating layer.

Additional Information

Before carrying out the measurement the lower reagent ampoule must be broken and the liquid transferred to the indication layer, so that it changes color to yellow. Next, the upper reagent ampoule must be broken and the liquid transferred to the indication layer, so that it returns to a white color. After performing 25 pump strokes wait 15 minutes before evaluating the indication.

