

Toluene Diisocyanate 0.02/a

Catalog No 6724501

Standard Measuring Range: 0.02 to 0.2 ppm, discoloration compared to color comparison tube
Number of Strokes (n): 25
Time for Measurement: about 20 minutes
Standard Deviation: ± 30%
Color Change: white to orange

Ambient Operation Conditions

Temperature: 15 to 30°C
Absolute Humidity: < 20 mg H₂O/L

Reaction Principle

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

Cross Sensitivity

Other isocyanates are not indicated.

No interference by:

- 5ppm 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 ampule must be broken and the liquid transferred to the indication layer, so that it change color to yellow. Next the upper reagent ampule 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.



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