



ST-39-2001

Standard Measuring Range : 5 to 50 ppm
Number of Strokes (n) : 20
Time for Measurement : app. 8 min
Standard Deviation : ± 15 to 20 %
Colour Change : pale gray \rightarrow orange

Ambient Operating Conditions

Temperature : 10 to 40 °C
Absolute Humidity : 5 to 15 mg H₂O / L

Reaction Principle

Epichlorohydrin + Cr^{VI} \rightarrow Cl₂
Cl₂ + o-Tolidine \rightarrow orange reaction product

Cross Sensitivity

Other chlorinated hydrocarbons are indicated, but with different sensitivities.

Petroleum hydrocarbons cause low readings.

It is impossible to measure epichlorohydrin when free halogens and hydrogen halides are present in the range of the TLV values, because they are also indicated.