Methyl Bromide 5/b

Catalog No CH27301

Standard Measuring Range:	5 to 50 ppm
Number of Strokes (n):	5
Time for Measurement:	about 45 seconds
Standard Deviation:	± 20 to 30%
Color Change:	green to brown

Ambient Operation Conditions

Temperature:	0 to 40°C
Absolute Humidity:	3 to 15 mg H_2O/L

Reaction Principle

a) $CH_3Br + SO_2 + MnO_4^- \longrightarrow Br_2$

b) Br_2 + o-Dianisidine ——> brown reaction product

Cross Sensitivity

Several other halogenated hydrocarbons and free halogens are indicated, but not all of them.

The sensitivity to the other halogenated hydrocarbons varies, in some cases higher and in other lower. Examples:

5 ppm hydrogen chloride gives an indication of 1-2 mm in length.
50 ppm hydrogen chloride and hydrogen bromide give an indication of 20-30 ppm
1,2-Dibromoethane is indicated with about the same sensitivity.
100 ppm 1,1,1-Trichloroethane gives an indication of 5-10 ppm

Additional Information

Before carrying out the measurement the reagent ampule must be broken. The granular contents must be shaken out of the broken ampule by gently tapping the side of the tube. The tube must be held vertically with the inlet of the tube up during the measurement.

Manufactured by Draeger Safety

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