n-Butanol 10/a

Order No. 81 03 861

Application Range

Standard Measuring Range:	10 to 250 ppm	/ 250 to 2000 ppm
Number of Strokes n:	20	/ 2
Time for Measurement:	approx. 6 min	/ approx. 1 min
Standard Deviation:	± 10 to 25 %	
Color Change:	yellow → mint green	

Ambient Operating Conditions

Temperature:	15 to 30 °C
Absolute Humidity:	3 to 15 mg H_2O / L

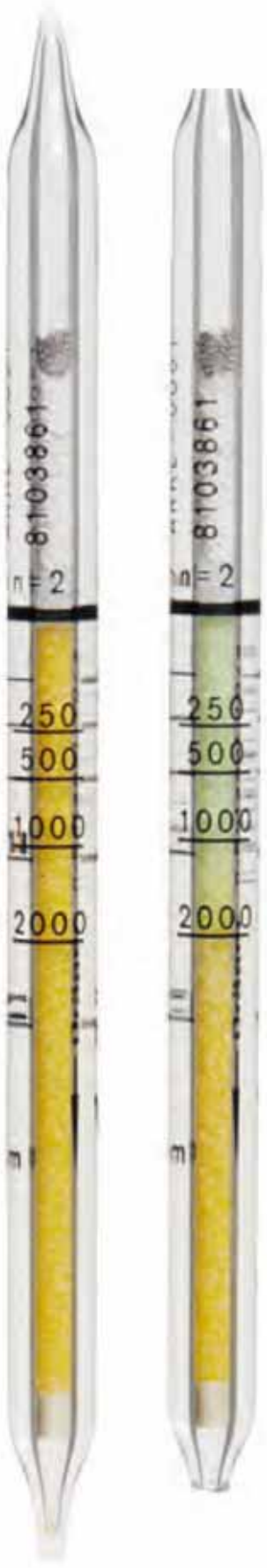
Reaction Principle

n-butanol + organometallic compound → green reaction product

Cross Sensitivity

The tube does not differentiate between different alcohols. 2-butanol is indicated with the same sensitivity. During the mea-surement of isobutanol with n = 2/10 strokes, the concentration read must be multiplied by a factor of 0.4. During the measurement of tert-butanol with n = 2/10 strokes, the concentration read must be multiplied by a factor of 3.0.

Methanol is indicated with 2 times (n=10) to 3 times (n=2) its sensitivity, ethanol and isopropanol are indicated with 1 time (n=10) to 2 times (n=2) their sensitivity. Higher molecular alcohols are indicated with significantly decreasing sensitivity. Ethers are indicated with a different sensitivity. ≤ 25 ppm formaldehyde, ≤ 50 ppm acetaldehyde, and ≤ 50 ppm toluene are not indicated. Aliphatic petroleum hydrocarbons, ketones, esters, halogenated hydrocarbons and benzene are not indicated.



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