

Nitric Acid 1/a

Catalog No 6728311

Standard Measuring Range: 5 to 50 ppm / 1 to 15 ppm
Number of Strokes (n): 10 / 20
Time for Measurement: about 2 minutes / about 4 minutes
Standard Deviation ± 10 to 15%
Color Change: blue to yellow

Ambient Operation Conditions

Temperature: 5 to 40°C
Absolute Humidity: 3 to 15 mg H₂O/L

Reaction Principle

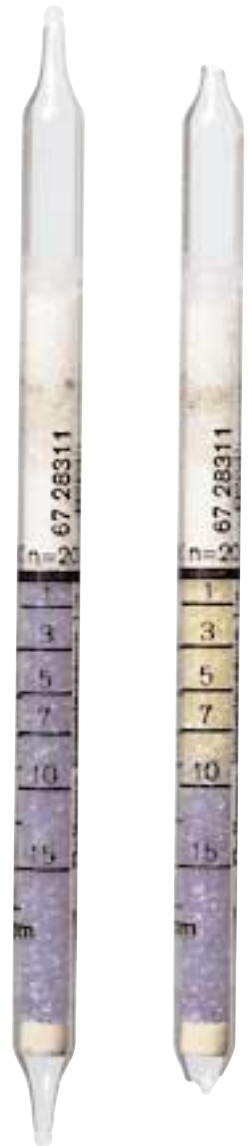
HNO₃ + Bromophenol blue → yellow reaction product

Cross Sensitivity

Hydrogen sulfide and nitrogen dioxide in the TLV range do not interfere, however, 50 ppm nitrogen dioxide gives an indication similar to 3 ppm nitric acid.

It is impossible to measure nitric acid in the presence of other mineral acids.

Chlorine discolors the indication layer grey and this makes it difficult to evaluate the nitric acid indication. If chlorine is present in the TLV range, this leads to slightly higher nitric acid indications.



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PO Box 894

DeMotte, IN 46310

800.952.3293 • 219.987.6825 • fax 219.987.6826

www.afcintl.com • sales@afcintl.com