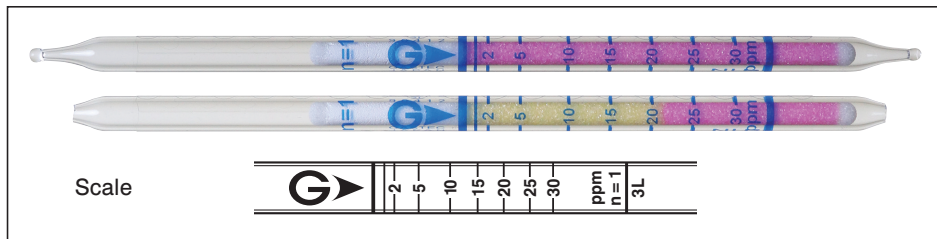


Ammonia NH₃

No.3L

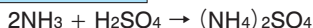


Performance The minimum scale value (1ppm) is not printed on the tube, but only the scale line is printed.

| | | | |
|------------------------|--------------|---------------|--------------|
| Measuring range | 0.5 to 1 ppm | (1) to 30 ppm | 30 to 78 ppm |
| Number of pump strokes | 2 (200 mL) | 1 (100 mL) | 1/2 (50 mL) |
| Correction factor | 1/2 | 1 | 2.6 |
| Sampling time | 1.5 min | 45 sec | 30 sec |

| | |
|---|--|
| Detecting limit : | 0.2 ppm (2 pump strokes) |
| Colour change : | Pink → Yellow |
| Operating conditions : | Temperature 0 to 40 °C (32 to 104 °F) correction used Relative humidity 0 to 90 % correction not used |
| Relative standard deviation : | 10 % (for 1 to 10 ppm), 5 % (for 10 to 30 ppm) |
| Tube quantity and number of tests per box : | 10 tubes for 10 tests |
| Shelf life : | 36 months |

Reaction principle



Possible coexisting substances and their interferences

| Substance | Concentration | Interference | Changes colour by itself to |
|----------------|---------------|--------------|-----------------------------|
| Amines | ≧ 1/15 | + | Yellow (≧ 5 ppm) |
| Hydrazine | | + | Yellow |
| Carbon dioxide | ≧ 1% | - (20%) | No |

Calibration gas generation

Permeation tube method