

**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

Corrections for temperature & humidity: Temperature correction is necessary.

Relative standard deviation: 10 % (for 1 to 10 ppm), 5 % (for 10 to 30 ppm)

Shelf life: 3 years

## Reaction principle

 $2NH_3 + H_2SO_4 \rightarrow (NH_4)_2SO_4$ 

## 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%	_	No

Chlorine, hydrogen chloride, nitric acid and water vapour are removed in the pretreatment (white) layer.

## Calibration gas generation

Permeation tube method