

**Performance**

<b>Measuring Range</b>	0.5 to 1 ppm	1 to 30 ppm	30 to 78 ppm
<b>Number of Pump Strokes</b>	2	1	1/2
<b>Correction Factor</b>	1/2	1	2.6
<b>Sampling Time</b>	1 minute per pump stroke		
<b>Detecting Limit</b>	0.2 ppm (n=2)		
<b>Colour Change</b>	Pink → Yellow		
<b>Reaction Principle</b>	Ammonia neutralizes sulphuric acid to change the colour of pH indicator to yellow.		
<b>Coefficient of Variation</b>	10% (for 1 to 10 ppm), 5% (for 10 to 30 ppm)		
<b>Shelf Life</b>	3 Years		
<b>Corrections for temperature &amp; humidity</b>	Unnecessary		
<b>Store the tubes at cool and dark place.</b>			

**Possible coexisting substances and their interferences**

<b>Substance</b>	<b>Concentration</b>	<b>Interference</b>	<b>Change colour by itself</b>
Carbon dioxide	≥1%	-	-
Hydrazine	-	+	Produces yellow discoloration
Amines	1/15	+	Discolours yellow at 5 ppm

**Calibration gas generation** Permeation tube method

TLV-TWA	TLV-STEL	Explosive range
25ppm	35ppm	15 to 28%