

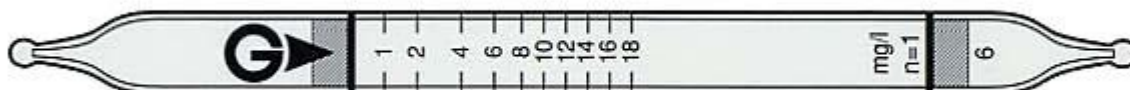


The people with the solutions that protect you and your environment everyday

## Gastec Tube Datasheet

**Water Vapour** H<sub>2</sub>O

**NO.GAS6**



### Performance

<b>Measuring Range</b>	0.5 to 1 mg/L	1 to 18 mg/L	18 to 32 mg/L
<b>Number of Pump Strokes</b>	2	1	1/2
<b>Correction Factor</b>	1/2	1	By Correction Table
<b>Sampling Time</b>	1 minute per pump stroke		
<b>Detecting Limit</b>	0.1 mg/L (2 Pump Strokes)		
<b>Colour Change</b>	Yellowish Green → Purple		
<b>Reaction Principle</b>	$H_2O + Mg(ClO_4)_2 \rightarrow Mg(ClO_4)_2 \cdot H_2O$		
<b>Coefficient of Variation</b>	10% (for 1 to 6 mg/L), 5% (for 6 to 18 mg/L)		
<b>Shelf Life</b>	Up to 3 Years		
<b>Corrections for temperature &amp; humidity</b>	Temperature correction is necessary		
<b>Store the tubes at cool and dark place.</b>			

### Possible coexisting substances and their interferences

Substance	Concentration	Interference	Change colour by itself
Alcohols, Ketones, Aldehydes, Sulphur Dioxide, Hydrogen Chloride	• † 2000 ppm	+	No
Esters, Acrylonitrile	• † 5000 ppm	+	No
Ammonia	• † 1000 ppm	+	No
Nitrogen Dioxide, Hydrogen Cyanide	• † 500 ppm	+	No
Hydrogen Sulphide		No	No

**Calibration gas generation** Vapour Pressure Method

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