



## TECHNICAL DATA SHEET

# AMMONIA SOLUTION 894 BP GRADE

### PRODUCT DATA AND TYPICAL PROPERTIES

Formula	: NH <sub>4</sub> OH
Molecular weight	: 35.05
pH (20 °C, 1% <sup>w/w</sup> solution of BP grade)	: 11.2 (typical)
Completely miscible with water.	

### PRODUCT SPECIFICATION

Appearance		clear colourless liquid
Assay	% w/w as NH <sub>3</sub>	29.0 ± 1.0
<b>Specific gravity (15.5 °C)</b>		<b>0.894 ± 0.004</b>
Specific gravity (20 °C)		0.896 ± 0.004
Oxidisable substances		passes BP test
Pyridine and related substances	absorbance at 252 nm	passes BP test
Heavy metals	% as Pb	≤ 0.0001
Sulphate	% as SO <sub>4</sub> <sup>2-</sup>	≤ 0.0005
Chloride	% as Cl <sup>-</sup>	≤ 0.0001
Iron	% as Fe	≤ 0.000025
Carbonate	% as CO <sub>3</sub> <sup>2-</sup>	≤ 0.006
Non-volatile matter (at 105 °C)	µg/ml as mass	≤ 20

The product is tested using our standard analytical methods.

### HANDLING AND STORAGE

Shelf life:	Nominally 3 months. The product evolves a significant amount of ammonia gas which results in a progressive reduction in strength. The strength should be tested after the shelf life period to confirm suitability for use.
Storage Conditions:	In upright, sealed containers in a cool well ventilated place, out of direct sunlight, ideally in a warehouse. Store below 25 °C. Store away from heat and sources of ignition.

### STANDARD PACKAGING

1000 litre intermediate bulk containers (IBCs).

### MAIN USES

As a chemical intermediate and in preparations.

FOR HANDLING INFORMATION PLEASE CONSULT THE SAFETY DATA SHEET.

Product: AMMONIA SOLUTION 894 BP GRADE  
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