



# Specification

1.05432.5000 Ammonia solution 25% for analysis EMSURE® ISO, Reag. Ph Eur

	Specification	
Assay (acidimetric, NH <sub>3</sub> )	25.0 - 30.0	%
Identity	passes test	
Appearance of solution	passes test	
Density (20/20°C)	0.892 - 0.910	
Carbonate (as CO <sub>2</sub> )	≤ 10	ppm
Chloride (Cl)	≤ 0.5	ppm
Phosphate (PO <sub>4</sub> )	≤ 0.5	ppm
Silicon (as SiO <sub>2</sub> )	≤ 10	ppm
Sulfate (SO <sub>4</sub> )	≤ 2	ppm
Sulphide (S)	≤ 0.2	ppm
Pyridine and related substances	≤ 2	ppm
Ag (Silver)	≤ 0.020	ppm
Al (Aluminium)	≤ 0.500	ppm
Au (Gold)	≤ 0.100	ppm
Ba (Barium)	≤ 0.050	ppm
Bi (Bismuth)	≤ 0.100	ppm
Ca (Calcium)	≤ 0.500	ppm
Cd (Cadmium)	≤ 0.050	ppm
Co (Cobalt)	≤ 0.050	ppm
Cr (Chromium)	≤ 0.050	ppm
Cu (Copper)	≤ 0.100	ppm
Fe (Iron)	≤ 0.100	ppm
Ga (Gallium)	≤ 0.020	ppm
In (Indium)	≤ 0.020	ppm
K (Potassium)	≤ 0.500	ppm
Li (Lithium)	≤ 0.020	ppm
Mg (Magnesium)	≤ 0.100	ppm
Mn (Manganese)	≤ 0.050	ppm
Mo (Molybdenum)	≤ 0.050	ppm
Na (Sodium)	≤ 0.500	ppm
Ni (Nickel)	≤ 0.050	ppm
Pb (Lead)	≤ 0.050	ppm
Pt (Platinum)	≤ 0.100	ppm
Sn (Tin)	≤ 0.100	ppm
Sr (Strontium)	≤ 0.100	ppm
Ti (Titanium)	≤ 0.100	ppm
Tl (Thallium)	≤ 0.050	ppm
Zn (Zinc)	≤ 0.100	ppm
Oxidizable substances	passes test	
Substances reducing potassium permanganate (as O)	≤ 5	ppm
Residue on ignition (as SO <sub>4</sub> )	≤ 10	ppm

# Specification

---

1.05432.5000 Ammonia solution 25% for analysis EMSURE® ISO, Reag. Ph Eur

---

Non volatile matter  $\leq 10$  ppm

Dr. Nina Hegmann  
Responsible laboratory manager quality control

---

This document has been produced electronically and is valid without a signature.