



Certificate of Analysis

1.05432.0000 Ammonia solution 25% for analysis EMSURE® ISO, Reag. Ph Eur
Batch Z1068732

	Spec. Values		Batch Values	
Assay (acidimetric, NH ₃)	25.0 - 30.0	%	27.0	%
Identity	passes test		passes test	
Appearance of solution	passes test		passes test	
Density (20/20°C)	0.892 - 0.910		0.903	
Carbonate (as CO ₂)	≤ 10	ppm	< 10	ppm
Chloride (Cl)	≤ 0.5	ppm	< 0.5	ppm
Phosphate (PO ₄)	≤ 0.5	ppm	< 0.5	ppm
Silicon (as SiO ₂)	≤ 10	ppm	< 10	ppm
Sulfate (SO ₄)	≤ 2	ppm	< 2	ppm
Sulphide (S)	≤ 0.2	ppm	< 0.2	ppm
Pyridine and related substances	≤ 2	ppm	< 2	ppm
Ag (Silver)	≤ 0.020	ppm	< 0.010	ppm
Al (Aluminium)	≤ 0.500	ppm	< 0.200	ppm
Au (Gold)	≤ 0.100	ppm	< 0.020	ppm
Ba (Barium)	≤ 0.050	ppm	< 0.020	ppm
Bi (Bismuth)	≤ 0.100	ppm	< 0.050	ppm
Ca (Calcium)	≤ 0.500	ppm	< 0.200	ppm
Cd (Cadmium)	≤ 0.050	ppm	< 0.020	ppm
Co (Cobalt)	≤ 0.050	ppm	< 0.020	ppm
Cr (Chromium)	≤ 0.050	ppm	< 0.020	ppm
Cu (Copper)	≤ 0.100	ppm	< 0.020	ppm
Fe (Iron)	≤ 0.100	ppm	< 0.050	ppm
Ga (Gallium)	≤ 0.020	ppm	< 0.010	ppm
In (Indium)	≤ 0.020	ppm	< 0.020	ppm
K (Potassium)	≤ 0.500	ppm	< 0.200	ppm
Li (Lithium)	≤ 0.020	ppm	< 0.010	ppm
Mg (Magnesium)	≤ 0.100	ppm	< 0.050	ppm
Mn (Manganese)	≤ 0.050	ppm	< 0.020	ppm
Mo (Molybdenum)	≤ 0.050	ppm	< 0.020	ppm
Na (Sodium)	≤ 0.500	ppm	< 0.200	ppm
Ni (Nickel)	≤ 0.050	ppm	< 0.020	ppm
Pb (Lead)	≤ 0.050	ppm	< 0.020	ppm
Pt (Platinum)	≤ 0.100	ppm	< 0.020	ppm
Sn (Tin)	≤ 0.100	ppm	< 0.020	ppm
Sr (Strontium)	≤ 0.100	ppm	< 0.100	ppm
Ti (Titanium)	≤ 0.100	ppm	< 0.050	ppm
Tl (Thallium)	≤ 0.050	ppm	< 0.010	ppm
Zn (Zinc)	≤ 0.100	ppm	< 0.050	ppm
Oxidizable substances	passes test		passes test	
Substances reducing potassium permanganate (as O)	≤ 5	ppm	< 5	ppm
Residue on ignition (as SO ₄)	≤ 10	ppm	< 10	ppm

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Non volatile matter ≤ 10 ppm < 10 ppm

Date of release (DD.MM.YYYY) 30.04.2026
Minimum shelf life (DD.MM.YYYY) 30.04.2031

Christian Herrmann
Responsible laboratory manager quality control

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