Specification

1.05423.0000 Ammonia solution 28-30% for analysis EMSURE® ACS,Reag. Ph Eur

	Specification	
Assay (acidimetric, NH_3)	28.0 - 30.0	%
Identity	passes test	
Appearance	passes test	
Appearance of solution	passes test	
Relative Density (d 20/20)	0.892 - 0.910	
Carbonate (as CO_2)	≤ 10	ppm
Chloride (Cl)	≤ 0.3	ppm
Nitrate (NO_3)	≤ 2	ppm
Phosphate (PO_4)	≤ 0.5	ppm
Heavy metals (as Pb)	≤ 0.5	ppm
Silicate (as SiO_2)	≤ 5	ppm
Sulphate (SO_4)	≤ 2	ppm
Sulphide (S)	≤ 0.2	ppm
Ag (Silver)	≤ 0.020	ppm
Al (Aluminium)	≤ 0.500	ppm
As (Arsenic)	≤ 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

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Pyridine and related substances	≤ 2	ppm
Substances Reducing Permanganate (ACS)	passes test	
Substances reducing potassium permanganate	≤ 5	ppm
Residue after ignition	≤ 10	ppm
Non volatile matter	≤ 10	ppm

Dr. Reiner Vogt
Responsible laboratory manager quality control

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