

PRODUCT IDENTITY

PRODUCT NAME	Ammonia solution 28-30%	PRODUCT NUMBER	A431920
Grades & Purity	Ph.Eur., Suitable for Analysis, ACS, Premium pure	VERSION	3
CAS NUMBER	1336-21-6	FORMULA	H ₅ NO
FORMULA WEIGHT	35.05g/mol		

ACCEPTANCE CRITERIA

PARAMETER	SPECIFICATION / LIMIT
Appearance(A431920)	Colorless Liquid
Assay(as NH ₃)	28-30 (%)
Specific gravity (20/20°C)	0.892-0.910
carbonate (CO ₂)	0-10 (ppm)
Chloride (Cl ⁻)	0-0.3 (ppm)
Nitrate(NO ₃)	0-2 (ppm)
Phosphate(PO ₄)	0-0.5 (ppm)
Heavy metals(as Pb)	0-0.5 (ppm)
silicate (as SiO ₂)	0-5 (ppm)
Sulfate(SO ₄)	0-2 (ppm)

PARAMETER	SPECIFICATION / LIMIT
Sulfide(S)	0-0.2 (ppm)
Silver(Ag)	0-0.02 (ppm)
Aluminium(Al)	0-0.5 (ppm)
Arsenic(As)	0-0.5 (ppm)
Gold(Au)	0-0.1 (ppm)
Barium(Ba)	0-0.05 (ppm)
Bismuth(Bi)	0-0.1 (ppm)
Calcium(Ca)	0-0.5 (ppm)
Cadmium(Cd)	0-0.05 (ppm)
Cobalt (Co)	0-0.05 (ppm)
Chromium(Cr)	0-0.05 (ppm)
Copper(Cu)	0-0.1 (ppm)
Iron(Fe)	0-0.1 (ppm)
Gallium(Ga)	0-0.02 (ppm)
Indium (In)	0-0.02 (ppm)
Potassium(K)	0-0.5 (ppm)
Lithium(Li)	0-0.02 (ppm)

PARAMETER	SPECIFICATION / LIMIT
Magnesium (Mg)	0-0.1 (ppm)
Manganese(Mn)	0-0.05 (ppm)
Molybdenum(Mo)	0-0.05 (ppm)
Sodium(Na)	0-0.5 (ppm)
Nickel(Ni)	0-0.05 (ppm)
Lead(Pb)	0-0.05 (ppm)
Platinum(Pt)	0-0.1 (ppm)
Tin(Sn)	0-0.1 (ppm)
Strontium(Sr)	0-0.1 (ppm)
Titanium(Ti)	0-0.1 (ppm)
Thallium(Tl)	0-0.05 (ppm)
Zinc(Zn)	0-0.1 (ppm)
Pyridine and related substances	0-2 (ppm)
Residue on Ignition	0-10 (ppm)
Non-volatile substance	0-10 (ppm)
Potassium permanganate reducing substances	0-5 (ppm)