

PRODUCT IDENTITY

PRODUCT NAME	Ammonia solution 25 %	PRODUCT NUMBER	A431914
Grades & Purity	Ultra pure	VERSION	3
CAS NUMBER	1336-21-6	FORMULA	H ₅ NO
FORMULA WEIGHT	35.05g/mol		

ACCEPTANCE CRITERIA

PARAMETER	SPECIFICATION / LIMIT
Appearance(A431914)	Colorless Liquid
Assay(Acidimetric,NH ₃)	25-30 (%)
Carbonate(as CO ₃)	0-10 (ppm)
Chloride (Cl ⁻)	0-500 (ppb)
Phosphate(PO ₄)	0-50 (ppb)
Sulfate(SO ₄ ²⁻)	0-500 (ppb)
Silver (Ag)	0-0.5 (ppb)
Aluminium(Al)	0-5 (ppb)
Arsenic(As)	0-1 (ppb)
Gold(Au)	0-0.5 (ppb)

PARAMETER	SPECIFICATION / LIMIT
Barium(Ba)	0-0.5 (ppb)
Beryllium(Be)	0-0.5 (ppb)
Bismuth(Bi)	0-0.5 (ppb)
Calcium (Ca)	0-2 (ppb)
Cadmium(Cd)	0-0.5 (ppb)
Cobalt (Co)	0-0.5 (ppb)
Chromium(Cr)	0-1 (ppb)
Copper(Cu)	0-1 (ppb)
Iron(Fe)	0-2 (ppb)
Gallium(Ga)	0-0.5 (ppb)
Germanium (Ge)	0-0.5 (ppb)
Mercury (Hg)	0-2 (ppb)
Indium(In)	0-0.5 (ppb)
Potassium(K)	0-2 (ppb)
Lithium(Li)	0-0.5 (ppb)
Magnesium (Mg)	0-2 (ppb)
Manganese(Mn)	0-0.5 (ppb)

PARAMETER	SPECIFICATION / LIMIT
Molybdenum(Mo)	0-0.5 (ppb)
Sodium(Na)	0-10 (ppb)
Nickel(Ni)	0-1 (ppb)
Lead(Pb)	0-0.5 (ppb)
Platinum(Pt)	0-0.5 (ppb)
Antimony(Sb)	0-0.5 (ppb)
Tin(Sn)	0-0.5 (ppb)
Strontium(Sr)	0-0.5 (ppb)
Titanium(Ti)	0-0.5 (ppb)
Thallium(Tl)	0-0.5 (ppb)
Vanadium (V)	0-0.5 (ppb)
Zinc(Zn)	0-1 (ppb)
Zirconium(Zr)	0-0.5 (ppb)
Residue on ignition (as sulfate)	0-2 (ppm)