

Technical Data Sheet

Product Name	Ammonium Hydroxide 25%		
Product #	KS-00023	CAS #	1336-21-6
For laboratory use, ACS, Ph. Eur.			
Specifications			
Assay (Acidimetric, NH ₃)	25.0 – 30.0%		
Appearance of Solution	Passes test		
Identity	Passes test		
Density (20/20°C)	0.892 – 0.910		
Carbonate (as CO ₂)	≤ 10ppm		
Chloride (Cl)	≤ 0.5ppm		
Phosphate (PO ₄)	≤ 0.5ppm		
Silicon (as SiO ₂)	≤ 10ppm		
Sulfate (SO ₄)	≤ 2ppm		
Sulfide (S)	≤ 0.2ppm		
Pyridine and Related Substances	≤ 2ppm		
Silver (Ag)	≤ 0.020ppm		
Aluminum (Al)	≤ 0.500ppm		
Gold (Au)	≤ 0.100ppm		
Barium (Ba)	≤ 0.050ppm		
Bismuth (Bi)	≤ 0.100ppm		
Calcium (Ca)	≤ 0.500ppm		

Cadmium (Cd)	$\leq 0.050\text{ppm}$
Cobalt (Co)	$\leq 0.050\text{ppm}$
Chromium (Ch)	$\leq 0.050\text{ppm}$
Copper (Cu)	$\leq 0.100\text{ppm}$
Iron (Fe)	$\leq 0.100\text{ppm}$
Gallium (Ga)	$\leq 0.020\text{ppm}$
Indium (In)	$\leq 0.020\text{ppm}$
Potassium (K)	$\leq 0.500\text{ppm}$
Lithium (Li)	$\leq 0.020\text{ppm}$
Magnesium (Mg)	$\leq 0.100\text{ppm}$
Manganese (Mn)	$\leq 0.050\text{ppm}$
Molybdenum (Mo)	$\leq 0.050\text{ppm}$
Sodium (Na)	$\leq 0.500\text{ppm}$
Nickel (Ni)	$\leq 0.050\text{ppm}$
Lead (Pb)	$\leq 0.050\text{ppm}$
Platinum (Pt)	$\leq 0.100\text{ppm}$
Tin (Sn)	$\leq 0.100\text{ppm}$
Thallium (Tl)	$\leq 0.100\text{ppm}$
Zinc (Zn)	$\leq 0.100\text{ppm}$
Substances Reducing Potassium Permanganate (as O)	$\leq 5\text{ppm}$
Residue on Ignition (as SO_4)	$\leq 10\text{ppm}$
Non Volatile Matter	$\leq 10\text{ppm}$

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