

TRANSENE COMPANY, INC.

Product Datasheet

Product Name: Ammonium Hydroxide 30% LM
Product Description: Ammonium Hydroxide 30% LM
Shelf Life: 2 Years

Assay Parameter	Unit	Specification
Assay (NH ₃)	%	Max 30
Density	g/cc	0.91, nominal
Color		Max 10
Appearance		Clear, sediment-free
Reducing Substance as KMnO ₄	ppm	P/F
Carbon Dioxide (CO ₂)	ppm	Max 20
Residue on Ignition	ppm	Max 20
Non-Volatile Residue	mg/100 mL	Max 5
Chloride (Cl)	ppm	Max 0.2
Nitrate (NO ₃)	ppm	Max 0.4
Phosphate (PO ₄)	ppm	Max 0.1
Sulfate (SO ₄)	ppm	Max 0.2
Aluminum (Al)	ppb	Max 10
Heavy Metals (as As)	ppb	Max 5
Barium (Ba)	ppb	Max 10
Beryllium (Be)	ppb	Max 10
Bismuth (Bi)	ppb	Max 10
Boron (B)	ppb	Max 10
Cadmium (Cd)	ppb	Max 10
Calcium (Ca)	ppb	Max 10
Chromium (Cr)	ppb	Max 10
Cobalt (Co)	ppb	Max 10
Copper (Cu)	ppb	Max 10
Gallium (Ga)	ppb	Max 10
Germanium (Ge)	ppb	Max 10
Gold (Au)	ppb	Max 10
Iron (Fe)	ppb	Max 10
Lead (Pb)	ppb	Max 10
Lithium (Li)	ppb	Max 10
Magnesium (Mg)	ppb	Max 10
Manganese (Mn)	ppb	Max 10
Molybdenum (Mo)	ppb	Max 10
Nickel (Ni)	ppb	Max 10
Niobium (Nb)	ppb	Max 10
Potassium (K)	ppb	Max 10

Silicon (Si)	ppb	Max 10
Silver (Ag)	ppb	Max 10
Sodium (Na)	ppb	Max 10
Strontium (Sr)	ppb	Max 10
Tantalum (Ta)	ppb	Max 10
Thallium (Tl)	ppb	Max 10
Tin (Sn)	ppb	Max 10
Titanium (Ti)	ppb	Max 10
Vanadium (V)	ppb	Max 10
Zinc (Zn)	ppb	Max 10
Zirconium (Zr)	ppb	Max 10
Particle Count, 0.5 um	ct/ml	Max 150
Particle Count, 1.0 um	ct/ml	Max 25

It is hereby certified that the above-mentioned product meets applicable testing,
packaging, regulatory, and customer purchase order requirements.

This includes, but is not limited to, chemical specifications and inspection of containers
for packaging defects. The pertinent test and/or inspection records are on file.
