



**SOLVAY
FLUORIDES**

D0901~8798

**SEMICONDUCTOR
AMMONIUM FLUORIDE, 40%
10 ppb Grade**

CHEMICAL ANALYSIS

SPECIFICATION

Assay (NH ₄ F), %	39.75 – 41.0
Color (APHA)	5 max
pH of 1% solution (25°C)	6.2. – 7.0

MAXIMUM LIMIT OF IMPURITIES, PPB

Residue after Ignition	2000 ppb
Chloride (Cl)	2000 ppb
Phosphate (PO ₄)	500 ppb
Sulfate (SO ₄)	1000 ppb
Nitrate (NO ₃)	3000 ppb
Heavy Metals (as Pb)	500 ppb
Arsenic & Antimony (as As)	10 ppb
Barium (Ba)	10 ppb
Boron	10 ppb
Cadmium (Cd)	10 ppb
Calcium (Ca)	10 ppb
Chromium (Cr)	10 ppb
Cobalt (Co)	10 ppb
Copper (Cu)	10 ppb
Gallium (Ga)	10 ppb
Germanium (Ge)	10 ppb
Gold (Au)	10 ppb
Iron (Fe)	10 ppb
Lead (Pb)	10 ppb
Lithium (Li)	10 ppb
Magnesium (Mg)	10 ppb
Manganese (Mn)	10 ppb
Molybdenum (Mo)	10 ppb
Nickel (Ni)	10 ppb
Potassium (K)	10 ppb
Silver (Ag)	10 ppb
Sodium (Na)	10 ppb
Strontium (Sr)	10 ppb
Tin (Sn)	10 ppb
Titanium (Ti)	10 ppb
Zinc (Zn)	10 ppb

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