

PRODUCT IDENTITY

PRODUCT NAME	Ammonium sulfate	PRODUCT NUMBER	A434060
Grades & Purity	Ultra pure, PrimorTrace™ Ultra, ≥99.9999% metals basis	VERSION	3
CAS NUMBER	7783-20-2	FORMULA	H ₈ N ₂ O ₄ S
FORMULA WEIGHT	132.14g/mol		

ACCEPTANCE CRITERIA

PARAMETER	SPECIFICATION / LIMIT
Purity	99.9999-100 (%)
Assay(acidimetric)	99.5-102.5 (%)
X-Ray Diffraction	Conforms to Structure
Appearance(A434060)	White Powder, Crystals and/or Chunks
Chloride (Cl-)	0-3 (ppm)
Nitrate(NO3)	0-10 (ppm)
Phosphate(PO4)	0-5 (ppm)
Silver(Ag)	0-0.01 (ppm)
Aluminium(Al)	0-0.05 (ppm)

PARAMETER	SPECIFICATION / LIMIT
Barium(Ba)	0-0.05 (ppm)
Beryllium(Be)	0-0.01 (ppm)
Bismuth(Bi)	0-0.05 (ppm)
Calcium(Ca)	0-0.1 (ppm)
Cadmium(Cd)	0-0.005 (ppm)
Cobalt (Co)	0-0.005 (ppm)
Chromium(Cr)	0-0.01 (ppm)
Copper(Cu)	0-0.005 (ppm)
Iron(Fe)	0-0.05 (ppm)
Gallium(Ga)	0-0.05 (ppm)
Indium (In)	0-0.05 (ppm)
Potassium(K)	0-0.1 (ppm)
Lithium(Li)	0-0.05 (ppm)
Magnesium (Mg)	0-0.01 (ppm)
Manganese(Mn)	0-0.01 (ppm)
Sodium(Na)	0-0.1 (ppm)
Nickel(Ni)	0-0.01 (ppm)

PARAMETER	SPECIFICATION / LIMIT
Lead(Pb)	0-0.005 (ppm)
Strontium(Sr)	0-0.01 (ppm)
Thallium(Tl)	0-0.005 (ppm)
Zinc(Zn)	0-0.01 (ppm)