

PRODUCT IDENTITY

PRODUCT NAME	Ammonium sulfate	PRODUCT NUMBER	A434065
Grades & Purity	Ph.Eur., Suitable for Analysis, ACS, Premium pure	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
Assay(alkalimetric)	99.5-102.5 (%)
Appearance(A434065)	White Powder, Crystals and/or Chunks
Insoluble matter in H ₂ O	0-0.001 (%)
PH (5%, water) 25 °C	5-6
Chloride (Cl ⁻)	0-0.0003 (%)
Nitrate(NO ₃)	0-0.001 (%)
Phosphate(PO ₄)	0-0.0005 (%)
Heavy metals(as Pb)	0-0.0005 (%)
Arsenic(As)	0-0.00002 (%)
Calcium(Ca)	0-0.001 (%)

PARAMETER	SPECIFICATION / LIMIT
Cadmium(Cd)	0-0.0001 (%)
Copper(Cu)	0-0.0002 (%)
Iron(Fe)	0-0.0002 (%)
Magnesium(Mg)	0-0.0005 (%)
Lead (Pb)	0-0.0002 (%)
Zinc(Zn)	0-0.0001 (%)
Ignition Residue (as sulfate)	0-0.005 (%)
Loss on drying(105°C)	0-0.1 (%)
Infrared spectrum	Conforms to Structure
Aluminium(Al)	0-0.75 (ppm)
Chromium(Cr)	0-0.75 (ppm)