

PRODUCT IDENTITY

PRODUCT NAME	Ammonium sulfate	PRODUCT NUMBER	A112103
Grades & Purity	Suitable for molecular biology, ≥99%	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
UV Absorbance 280nm (1 M solution)	0-0.025
Iron(Fe)	0-5 (ppm)
Purity(Neutralization titration)	99-101 (%)
Chloride (Cl-)	0-5 (ppm)
UV Absorbance 260nm(1 M solution)	0-0.03
Insoluble matter in H ₂ O	0-0.005 (%)
Copper(Cu)	0-5 (ppm)
Zinc(Zn)	0-5 (ppm)
Heavy metal (as Pb)	0-2 (ppm)
Appearance (A112103)	White Powder, Crystals and/or Chunks

PARAMETER	SPECIFICATION / LIMIT
DNase, RNase and Protease	None Detected
Infrared spectrum	Conforms to Structure
Solubility in H ₂ O , CLEAR ,2G/3ML WATER	pass
X-Ray Diffraction	Conforms to Structure