

## Certificate of Analysis

Date of Testing: 2023-01-29 10:15:46  
Date of Next Testing: 2027-01-28 10:15:46  
Product Name: **Ammonium sulfate**  
CAS Number: 7783-20-2  
Specifications & Purity:  $\geq 99.99\%$  metals basis  
Lot #: A2314017  
SKU #: **A112105**  
Analysis: **180735**

Parameter	Limit Values	Result
Insoluble matter	0-0.005 (%)	0.00 %
Iron(Fe)	0-5 (ppm)	2.00 ppm
Total Metallic Impuritie	0-100 (ppm)	0.00 ppm
Purity(Based On Trace Metals Analysis)	99.99-100 (%)	100.00 %
PH	5-6	5.20
Heavy metal (as Pb)	0-5 (ppm)	1.89 ppm
Chloride	0-5 (ppm)	3.01 ppm
Phospate(PO4)	0-5 (ppm)	4.31 ppm
(NO3)Nitrate	0-0.001 (%)	0.00 %
Ignition Residue (as sulfate)	0-0.005 (%)	0.00 %
Appearance (A112105)	White Powder, Crystals and/or Chunks	White Powder, Crystals and/or Chunks
ICP Assay	Confirmed to structure	Confirmed to structure
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager