

## Certificate of Analysis

Date of Testing: 2023-10-20 15:44:58  
Date of Next Testing: 2027-10-19 15:44:58  
Product Name: **Ammonium cerium sulfate hydrate**  
CAS Number: 7637-03-8  
Specifications & Purity: Analytical Reagent, 98%  
Lot #: L1923046  
SKU #: **A110764**  
Analysis: **287868**

Parameter	Limit Values	Result
Ce(titration with dichromate)	18.9-22.8 (%)	22.72%
Substances not precipitated by ammonia	0-0.2 (%)	0.06%
Heavy metal (as Pb)	0-0.005 (%)	0.00%
Iron(Fe)	0-0.005 (%)	0.00%
Other rare metals	0-0.2 (%)	0.07%
Insoluble in sulfuric acid	0-0.05 (%)	0.03%
Chloride (Cl-)	0-0.01 (%)	0.00%
Appearance (A110764)	Yellow to Orange Powder	Yellow to Orange Powder
ICP: Confirms cerium and sulfur component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



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QA & QC Manager