

## Certificate of Analysis

Date of Testing: 2024-07-11 14:46:24  
Date of Next Testing: 2027-07-11 14:46:24  
Product Name: **Cerium(III) nitrate hexahydrate**  
CAS Number: 10294-41-4  
Specifications & Purity: extra pure  
Lot #: G2409191  
SKU #: **C431281**  
Version: **1**  
Analysis #: **369375**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Assay(Complexometric EDTA)	98.5-101.5 (%)	100.99 %
Chloride (Cl-)	0-0.003 (%)	0.00 %
Heavy metals(as Pb)	0-0.002 (%)	0.00 %
Dysprosium(Dy)	0-0.04 (%)	0.00000 %
Erbium(Er)	0-0.2 (%)	0.00000 %
Europium(Eu)	0-0.04 (%)	0.00000 %
Iron(Fe)	0-0.001 (%)	0.00 %
Holmium(Ho)	0-0.02 (%)	0.00000 %
Neodymium(Nd)	0-0.02 (%)	0.00000 %
Praseodymium(Pr)	0-0.01 (%)	0.00 %
Samarium(Sm)	0-0.02 (%)	0.00000 %
Thulium(Tm)	0-0.02 (%)	0.00000 %
Yttrium(Y)	0-0.04 (%)	0.00 %
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager