

## Certificate of Analysis

Date of Testing: 2024-06-29 11:28:52  
Date of Next Testing: 2028-06-28 11:28:52  
Product Name: **Cerium(IV) sulfate tetrahydrate**  
CAS Number: 10294-42-5  
Specifications & Purity: Analytical Reagent, 98%  
Lot #: F2428400  
SKU #: **C102729**  
Version: **0**  
Analysis #: **377943**

Parameter	Limit Values	Result
insoluble matter in dilute H <sub>2</sub> SO <sub>4</sub>	0-0.01 (%)	0.00 %
(Pb)Lead	0-10 (ppm)	0.00 ppm
Copper(Cu)	0-10 (ppm)	5.00 ppm
Loss on drying(200 °C, 2 h)	15-20 (%)	15.24 %
Purity	98-100 (%)	99.94 %
Iron(Fe)	0-10 (ppm)	4.25 ppm
Phosphate(PO <sub>4</sub> )	0-100 (ppm)	54.00 ppm
Chloride (Cl <sup>-</sup> )	0-10 (ppm)	6.50 ppm
Appearance (C102729)	orange powder	orange powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager