

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-08-10 13:37:38  
Date of Next Testing: 2026-08-09 13:37:38  
Product Name: **Cerium(IV) sulfate tetrahydrate**  
CAS Number: 10294-42-5  
Specifications & Purity: Analytical Reagent, 98%  
Lot #: H2205862  
SKU #: **C102729**  
Analysis: **123805**

Parameter	Limit Values	Result
insoluble matter in dilute H <sub>2</sub> SO <sub>4</sub>	0-0.01 (%)	0.01 %
(Pb)Lead	0-10 (ppm)	2.13 ppm
Copper(Cu)	0-10 (ppm)	4.28 ppm
Loss on drying(200 °C, 2 h)	15-20 (%)	19.98 %
Purity	98-100 (%)	99.99 %
Iron(Fe)	0-10 (ppm)	1.11 ppm
Phosphate(PO <sub>4</sub> )	0-100 (ppm)	73.00 ppm
Chloride (Cl <sup>-</sup> )	0-10 (ppm)	5.15 ppm
Appearance (C102729)	orange powder	orange powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager