

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-11 10:26:25  
 Date of Next Testing: 2029-07-10 10:26:25  
 Product Name: **Ammonium persulfate(APS)**  
 CAS Number: 7727-54-0  
 Specifications & Purity: for electrophoresis, ≥98%  
 Lot #: G2502137  
 SKU #: **A112450**  
 Version: **0**  
 Analysis #: **542159**  
 Storage Temperature: Protected from light, Room temperature

| Parameter                                                                    | Limit Values          | Result                |
|------------------------------------------------------------------------------|-----------------------|-----------------------|
| Heavy metal (as Pb)                                                          | 0-50 (ppm)            | 0.00000 ppm           |
| Purity(Titration by KMNO <sub>4</sub> )                                      | 98-100 (%)            | 98.24000 %            |
| Iron(Fe)                                                                     | 0-10 (ppm)            | 0.00000 ppm           |
| Chloride (Cl <sup>-</sup> )                                                  | 0-10 (ppm)            | 0.00000 ppm           |
| Appearance (A112450)                                                         | White powder          | White powder          |
| DNase, RNase and Protease                                                    | None Detected         | none detected         |
| Infrared spectrum                                                            | Conforms to Structure | Conforms to Structure |
| Solubility in H <sub>2</sub> O , Colorless transparent , c = 100mg/ml; Water | pass                  | Pass                  |
| Suitability, Acrylamide polymerization                                       | Pass                  | Pass                  |



John Su  
QA & QC Manager