

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-09-19 17:05:46  
 Date of Next Testing: 2026-09-18 17:05:46  
 Product Name: **Calcium Sulfate Dihydrate**  
 CAS Number: 10101-41-4  
 Specifications & Purity: AR, ≥99%  
 Lot #: I2214460  
 SKU #: **C101878**  
 Version: **1**  
 Analysis #: **111654**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                                                   | Limit Values              | Result                    |
|-------------------------------------------------------------|---------------------------|---------------------------|
| Insoluble matter(C=3.3% in Dilute HCl)                      | 0-0.02 (%)                | 0.00000 %                 |
| Sodium(Na)                                                  | 0-0.02 (%)                | 0.00230 %                 |
| Magnesium(Mg)                                               | 0-0.02 (%)                | 0.00001 %                 |
| Chloride (Cl-)                                              | 0-0.005 (%)               | 0.00330 %                 |
| Iron(Fe)                                                    | 0-0.001 (%)               | 0.00080 %                 |
| Strontium(Sr)                                               | 0-0.05 (%)                | 0.04000 %                 |
| Heavy metal (as Pb)                                         | 0-0.002 (%)               | 0.00000 %                 |
| Drying Loss(200°C,2h)                                       | 18-22 (%)                 | 19.79000 %                |
| Potassium(K)                                                | 0-0.005 (%)               | 0.00500 %                 |
| Purity Titration by EDTA                                    | 99-100 (%)                | 99.96000 %                |
| Appearance (C101878)                                        | White to Off-White Powder | White to Off-White Powder |
| Solubility,Colorless,Clear(2g+85mL H2O and 15mL 6mol/L HCl) | pass                      | Pass                      |
| X-Ray Diffraction                                           | Conforms to Structure     | Conforms to Structure     |



John Su  
QA & QC Manager