

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-25 09:47:58
Date of Next Testing: 2027-09-24 09:47:58
Product Name: **Calcium Sulfate Dihydrate**
CAS Number: 10101-41-4
Specifications & Purity: AR, ≥99%
Lot #: I2320215
SKU #: **C101878**
Version: **1**
Analysis #: **228289**
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 (%) | 0.00300 % |
| Magnesium(Mg) | 0-0.02 (%) | 0.00000 % |
| Chloride (Cl-) | 0-0.005 (%) | 0.00317 % |
| Potassium(K) | 0-0.005 (%) | 0.00080 % |
| Iron(Fe) | 0-0.001 (%) | 0.00000 % |
| Strontium(Sr) | 0-0.05 (%) | 0.04000 % |
| Heavy metal (as Pb) | 0-0.002 (%) | 0.00000 % |
| Drying Loss(200°C,2h) | 18-22 (%) | 20.34000 % |
| Purity Titration by EDTA | 99-100 (%) | 99.98000 % |
| 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