

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-18 15:49:52
 Date of Next Testing: 2028-09-17 15:49:52
 Product Name: **Calcium Sulfate Dihydrate**
 CAS Number: 10101-41-4
 Specifications & Purity: AR, ≥99%
 Lot #: I2411543
 SKU #: **C101878**
 Version: **1**
 Analysis #: **350964**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Drying Loss(200°C,2h)	18-22 (%)	18.01000 %
Insoluble matter(C=3.3% in Dilute HCl)	0-0.02 (%)	0.00000 %
Sodium(Na)	0-0.02 (%)	0.00580 %
Magnesium(Mg)	0-0.02 (%)	0.00290 %
Chloride (Cl-)	0-0.005 (%)	0.00300 %
Potassium(K)	0-0.005 (%)	0.00160 %
Purity Titration by EDTA	99-100 (%)	99.97000 %
Iron(Fe)	0-0.001 (%)	0.00100 %
Strontium(Sr)	0-0.05 (%)	0.01400 %
Heavy metal (as Pb)	0-0.002 (%)	0.00000 %
Appearance (C101878)	White to Off-White Powder	White to Off-White Powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure
Solubility,Colorless,Clear(2g+85mL H2O and 15mL 6mol/L HCl)pass		Pass



John Su
QA & QC Manager