

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-27 09:32:18
 Date of Next Testing: 2027-09-26 09:32:18
 Product Name: **Calcium Sulfate Dihydrate**
 CAS Number: 10101-41-4
 Specifications & Purity: AR, ≥99%
 Lot #: I2320214
 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