

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Calcium Sulfate Dihydrate,AR,99%

ITEM NUMBER: C101878
BRAND: Aladdin
CAS NUMBER: 10101-41-4
MDL NUMBER: MFCD00149625
FORMULA: CaO4S.2H2O
MOLECULAR WEIGHT: 172.17

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	White to Off-White Powder		
Chloride(Cl)	0 %	0.005 %	0.005 %
Drying Loss(200 ° C,2h)	18 %	22 %	22 %
heavy metals (as Pb)	0 %	0.002 %	0.002 %
Insoluble matter(C=3.3% in Dilute HCl)	0 %	0.02 %	0.02 %
Iron(Fe)	0 %	0.001 %	0.001 %
Magnesium(Mg)	0 %	0.02 %	0.02 %
Potassium(K)	0 %	0.005 %	0.005 %
Purity(Titration by EDTA)	99 %	100 %	100 %
Sodium (Na)	0 %	0.02 %	0.02 %
Solubility	Colorless, Clear(2g+85mL H2O and 15mL 6mol/L HCl)		
Strontium(Sr)	0 %	0.05 %	0.05 %
X-Ray Diffraction	Conforms to Structure		