

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Calcium chloride dihydrate,AR

ITEM NUMBER: C108383
BRAND: Aladdin
CAS NUMBER: 10035-04-8
MDL NUMBER: MFCD00149613
FORMULA: CaCl₂·2H₂O
MOLECULAR WEIGHT: 147.01

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Ammonium(NH ₄)	0 %	0.005 %	0.005 %
Appearance	White Powder or Crystals		
Assay	99 %	103 %	103 %
Barium(Ba)	passes test		
basicity(OH ⁻)	0 mmol/g	0.004 mmol/g	0.004 mmol/g
heavy metals (as Pb)	0 %	0.0005 %	0.0005 %
Insoluble matter and precipitate by ammonium hydroxide	0 %	0.01 %	0.01 %
Iron(Fe)	0 %	0.001 %	0.001 %
Magnesium and alkali metal(With sulfate plan)	0 %	0.5 %	0.5 %
Nitrate(NO ₃)	0 %	0.005 %	0.005 %
Phospate(PO ₄)	0 %	0.002 %	0.002 %
Sulfate(SO ₄)	0 %	0.01 %	0.01 %
Water by Karl Fischer	23 %	25.5 %	25.5 %
X-Ray Diffraction	Conforms to Structure		