

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: Ammonium chloride,GR,99.8%

ITEM NUMBER: A116366  
 BRAND: Aladdin  
 CAS NUMBER: 12125-02-9  
 MDL NUMBER: MFCD00143604  
 FORMULA: NH<sub>4</sub>Cl  
 MOLECULAR WEIGHT: 53.49

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Assay	99.8 %	100 %	100 %
Calcium(Ca)	0 μg/mg /	0.0005 μg/mg /	0.0005 μg/mg /
Clarity of solution	Clarify		
Copper(Cu)	0 %	0.0002 %	0.0002 %
Ignition residue (as sulfate)	0 %	0.005 %	0.005 %
Insoluble matter in water	0 %	0.002 %	0.002 %
Iron(Fe)	0 ppm	0.0002 ppm	0.0002 ppm
Lead(Pb)	0 %	0.0001 %	0.0001 %
Magnesium(Mg)	0 %	0.0005 %	0.0005 %
Nickel(Ni)	0 %	0.0001 %	0.0001 %
pH(50g/Lsolution , 25 ° C)	4.5	5.5	5.5
Phosphate(PO <sub>4</sub> )	0 %	0.0002 %	0.0002 %
Potassium(K)	0 %	0.005 %	0.005 %
Sodium(Na)	0 %	0.005 %	0.005 %
Sulfate(SO <sub>4</sub> )	0 %	0.002 %	0.002 %
X-Ray Diffraction	Conforms to Structure		
Zinc(Zn)	0 %	0.0002 %	0.0002 %