



Certificate of Analysis

Ammonium Chloride ACS

Catalog Number: AC1014
Lot Number: 0424801
CAS Number: 12125-02-9
Synonym(s): Salmiac
Molecular Formula: NH₄Cl
Molecular Weight: 53.49
Storage: 15°C – 30°C
Date of Manufacture: December 9, 2016
Retest Date: December 8, 2021

Test	Specification	Result
Appearance	White crystalline powder	Conforms
Assay	99.5% - 100.5%	99.92%
Identification	To pass test	Conforms
pH	4.5 – 5.5	5.2
Insoluble Matter	≤ 0.005%	0.002%
Residue after Ignition	≤ 0.01%	0.006%
Calcium	≤ 0.001%	0.00006%
Magnesium	≤ 0.0005%	0.00004%
Heavy Metals	≤ 5ppm	< 5ppm
Iron	≤ 0.0002%	< 0.0002%
Phosphate	≤ 0.0002%	< 0.0002%
Sulfate	≤ 0.002%	< 0.002%

Approved by:

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Date: April 24, 2018