



Product Specification

Product Name: AMMONIUM CHLORIDE AR

Alternate Name(s) Sal ammoniac

Description

White crystals; cool saline taste; somewhat hygroscopic.

Properties

Chemical Formula: NH_4Cl

Molecular Weight: 53.49

Product Code: AA049

CAS No. 12125-02-9

General Information:

Soluble in water and glycerol; slightly soluble in alcohol. Almost insoluble in acetone, ether, & ethyl acetate. Non-combustible.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH0X

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay: 99.5% min.

Specific Properties and Impurities [Typical levels]:

pH of a 5% solution @ 25°C	4.5 - 5.5
Insoluble matter	≤ 0.005%
Residue after ignition	≤ 0.01%
Sulfate (SO ₄)	≤ 0.002%
Phosphate (PO ₄)	≤ 0.0002%
Nitrate (NO ₃)	≤ 0.0005%
Heavy metals (as Pb)	≤ 0.0002%
Calcium (Ca)	≤ 0.001%
Iron (Fe)	≤ 0.0002%
Magnesium (Mg)	≤ 0.0005%
Specific Gravity (25°C)	1.5274
Sublimes @ temperature	340 °C
Boiling point	520°C
Solubility in water	370 g/l

CONFORMS TO ACS

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