

Product Specification

Product Name:

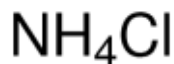
Ammonium chloride - puriss. p.a., ACS reagent, reagent ISO, reagent Ph. Eur., ≥99.5%

Product Number:

31107

CAS Number:

12125-02-9



Formula:

H₄ClN

Formula Weight:

53.49 g/mol

TEST	Specification
Titration with AgNO ₃	99.5 - 100.5 %
Assay (Calc. to the Dried Substance)	99.5 - 100.5 %
Insoluble Matter	≤ 0.005 %
Solubility (Color)	Complying
Solubility (Turbidity)	Complying
pH 5 % in Water, 25 °C	4.5 - 5.5
Loss on Drying	≤ 0.5 %
Sulphated Ash	≤ 0.01 %
Acidity or Alkalinity	Complying
Bromide, Iodide	Complying
Identity	Conforms
Meets ACS Requirements	Conforms
Arsenic (As)	≤ 0.5 ppm
Calcium (Ca)	≤ 0.0005 %
Copper (Cu)	≤ 0.0002 %
Iron (Fe)	≤ 0.0002 %
Potassium (K)	≤ 0.005 %
Magnesium (Mg)	≤ 0.0005 %
Sodium (Na)	≤ 0.005 %
Nickel (Ni)	≤ 0.0001 %
Lead (Pb)	≤ 0.0001 %
Zinc (Zn)	≤ 0.0002 %

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.



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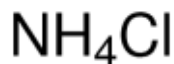
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TEST	Specification
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Heavy Metal	≤ 5 ppm
Nitrate (NO ₃)	≤ 5 ppm
Phosphate (PO ₄)	≤ 2 ppm
Sulfate (SO ₄)	≤ 20 ppm
Note	Conforms

Identity, Assay and Impurities are Complying to the Monographs of the Above Mentioned Pharmacopeias/Codices

Specification: PRE.2.ZQ5.10000021501

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