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Product Specification

Product Name:

Ammonium chloride – ACS reagent, ≥99.5%

Product Number:

213330

NH₄Cl

CAS Number:

12125-02-9

MDL:

MFCD00011420

Formula:

H₄ClN

Formula Weight:

53.49 g/mol

TEST

Specification

Appearance (Color)

White

Appearance (Form)

Conforms to Requirements

Powder, Crystalline Powder, Crystals and/or Chunks

Titration by AgNO₃

≥ 99.5 %

Residue on ignition (Ash)

≤ 0.01 %

pH

4.5 - 5.5

@ 25 Deg c (5% Solution)

Insoluble matter

≤ 0.005 %

10%, H₂O

Calcium (Ca)

≤ 0.001 %

Magnesium (Mg)

≤ 5 ppm

Heavy Metal

≤ 5 ppm

(as Pb)

Iron (Fe)

≤ 2 ppm

Phosphate

≤ 2 ppm

Sulfate

≤ 0.002 %

Meets ACS Requirements

Current ACS Specification

Tenth Edition

Recommended Retest Period

3 Years

Specification: PRD.0.ZQ5.10000018309

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.