

3050 Spruce Street, Saint Louis, MO 63103, USA

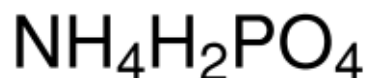
Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

Ammonium phosphate monobasic - ACS reagent, ≥98%

Product Number: 216003
Lot Number: MKBJ4572V
Brand: SIAL
CAS Number: 7722-76-1
MDL Number: MFCD00003396
Formula: H₆NO₄P
Formula Weight: 115.03 g/mol
Quality Release Date: 18 NOV 2011
Recommended Retest Date: NOV 2015



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Crystals or Crystals with Chunks	Crystals
Infrared spectrum	Conforms to Structure	Conforms
Purity (Titration by NaOH)	≥ 98.0 %	99.9 %
Insoluble matter c = 10%; Water	≤ 0.005 %	< 0.005 %
Chloride (Cl)	≤ 5 ppm	< 5 ppm
Iron (Fe)	≤ 0.001 %	< 0.001 %
Heavy Metals	≤ 5.0000 ppm	< 5.0000 ppm
Potassium (K)	≤ 0.005 %	< 0.005 %
Sodium (Na)	≤ 0.005 %	< 0.005 %
Nitrate (NO ₃)	≤ 0.001 %	< 0.001 %
pH c = 5%; Water At 25 Deg C	3.8 - 4.4	4.2
Sulfate (SO ₄)	≤ 0.01 %	< 0.01 %
Calcium (Ca)	≤ 0.001 %	< 0.001 %
Magnesium (Mg)	≤ 0.0005 %	< 0.0005 %
Meets ACS Requirements	Current ACS Specification	Conforms
Recommended Retest Period 4 Years	-----	-----

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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Jamie Gleason, Manager
Quality Control
Milwaukee, Wisconsin US

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