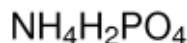


## Certificate of Analysis

Product Name:

Ammonium phosphate monobasic - ACS reagent, ≥98%

**Product Number:** 216003  
**Batch Number:** MKCQ0439  
**Brand:** SIGALD  
**CAS Number:** 7722-76-1  
**MDL Number:** MFCD00003396  
**Formula:** H<sub>6</sub>NO<sub>4</sub>P  
**Formula Weight:** 115.03 g/mol  
**Quality Release Date:** 29 JUL 2021  
**Recommended Retest Date:** JUL 2025



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 %	100.1 %
Insoluble Matter	≤ 0.005 %	0.002 %
c = 10%; Water		
Chloride (Cl)	≤ 5 ppm	< 5 ppm
Iron (Fe)	≤ 0.001 %	< 0.001 %
Heavy Metals	≤ 5 ppm	< 1 ppm
Potassium (K)	≤ 0.005 %	< 0.004 %
Sodium (Na)	≤ 0.005 %	< 0.001 %
Nitrate (NO <sub>3</sub> )	≤ 0.001 %	< 0.001 %
pH	3.8 - 4.4	4.4
c = 5%; Water At 25 Deg C		
Sulfate (SO <sub>4</sub> )	≤ 0.01 %	< 0.01 %
Calcium (Ca)	≤ 0.001 %	< 0.001 %
Magnesium (Mg)	≤ 0.0005 %	< 0.0001 %
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](http://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.



## Certificate of Analysis

**Product Number:** 216003  
**Batch Number:** MKCQ0439



Larry Coers, Director  
Quality Control  
Milwaukee, WI US

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](http://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.

