

# Chem-Impex International, Inc.

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## Certificate of Analysis

**Catalogue Number** 30074  
**Lot Number** 000514-20204003  
**Product** **Ammonium phosphate monobasic**

Ammonium dihydrogen phosphate

Phosphoric acid monoammonium salt

**CAS Number** 7722-76-1  
**Molecular Formula**  $\text{NH}_4\text{H}_2\text{PO}_4$   
**Molecular Weight** 115

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**Appearance** White crystals  
**Solubility** 1 g in 10 mL water at 25 °C  
**Melting Point** 190 °C (Approx.)  
**Heavy Metals** < 5 ppm (as Pb)

**Anion** Chloride (Cl<sup>-</sup>): < 5 ppm  
Nitrate (NO<sub>3</sub><sup>-</sup>): < 0.001%  
Sulfate (SO<sub>4</sub>): < 0.01%

**Cation** Iron (Fe): < 0.001%  
Calcium (Ca): 0.0003%  
Magnesium (Mg): 0.80 ppm  
Potassium (K): 0.0005%  
Sodium (Na): 0.0006%

**pH** 4.2 (5% solution)

**Yeast and Mold** < 100 cfu/g

**Coliform Organisms** Negative (Total)

**Insoluble material** 0.001%

**Assay by titration** 100.6%

**Grade** ACS reagent

**Application** Used as buffer solutions

**Storage** Store at RT

**Additional Information** Aerobic Plate Count: < 1000 cfu/g

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**Remarks**

See material safety data sheet for additional information

For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**