

**Product Name:** Ammonium dihydrogen phosphate, ACS, 98.0% min  
**Catalog Number:** 011598.A3

**CAS Number:** 7722-76-1  
**IUPAC Name:** phosphoric acid amine  
**Molecular Formula:** H<sub>6</sub>NO<sub>4</sub>P  
**Molecular Weight:** 115.03  
**MDL Number:** MFCD00003396  
**InChI Key:** LFVGISIMTYGQHF-UHFFFAOYSA-N  
**SMILES:** N.OP(O)(O)=O  
**Synonym:** ammonium phosphatelamfoslfyrexltaikarin FIFR-cros 282ltaikarin FNlammonium orthophosphate

## Product Specification

**Appearance (Color):** White  
**Form:** Crystalline solid  
**Assay (Aqueous acid-base Titration):** ≥98.0% [NH<sub>4</sub>H<sub>2</sub>PO<sub>4</sub>]  
**Chloride content:** ≤5 ppm  
**Impurity content:** ≤0.0005% [Magnesium (Mg)]  
**pH:** 3.8-4.4 [5% solution @25.0°C]  
**Impurity content:** ≤0.001% [Calcium (Ca)]  
**Impurity content:** ≤0.001% [Iron (Fe)]  
**Impurity content:** ≤0.001% [Nitrate (NO<sub>3</sub>)]  
**Impurity content:** ≤0.005% [Potassium (K)]  
**Impurity content:** ≤0.005% [Sodium (Na)]  
**Impurity content:** ≤0.01% [Sulfate (SO<sub>4</sub>)]  
**Insoluble material:** ≤0.005%  
**Heavy Metals (as Pb):** ≤5 ppm

**Date Of Print:** 09/26/2025

*Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.*