



Product Specification

Product Name: **AMMONIUM DIHYDROGEN ORTHOPHOSPHATE
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Alternate Name(s) Ammonium acid phosphate; ammonium phosphate, monobasic;
Description monoammonium phosphate; monoammonium dihydrogen phosphate;
Brilliant white crystals or powder.

Properties

Chemical Formula:

Molecular Weight: 115.03

Product Code: AA031

CAS No. 7722-76-1

General Information:

Slightly soluble in alcohol; practically insoluble in acetone. Incompatible with strong bases, magnesium methenamine, steel and aluminum. Non combustible material.

Hazard and Safety Data

UN Group: None Allocated
Class: None Allocated
UN Number: None Allocated
Hazchem code: None Allocated
CS MSDS Code: 1CH10
Poison schedule: Not Scheduled
Emergency
Procedure Guide No.: N/A

Quality Specification

Assay: 98.0% min.

Specific Properties and Impurities [Typical levels]:

Insoluble matter	≤ 0.005%
pH of a 5% solution	3.8-4.4
Chlorides (Cl)	≤ 0.0005%
Nitrates (NO ₃)	≤ 0.001%
Sulfates (SO ₄)	≤ 0.005%
Heavy metals (as Pb)	≤ 0.0005%
Calcium (Ca)	≤ 0.001%
Iron (Fe)	≤ 0.001%
Potassium (K)	≤ 0.005%
Magnesium (Mg)	≤ 0.0005%
Sodium (Na)	≤ 0.005%

CONFORMS TO ACS

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