

Identification $(\text{NH}_4)_2\text{HPO}_4$

M = 132,06 g/mol

CAS [7783-28-0]

EC number: 231-987-8

Taric code: 3105 30 00

Synonyms

Ammonium biphosphate, Ammonium phosphate dibasic, Fyrex

Applications

Fire-resistant protective clothing, dentifrices, corrosion inhibitor, analytical chemistry.

Specifications

assay (acidimetric).....	min. 98,0 %	sulfates (SO_4).....	max. 0,004 %
identity (IR-spectrum).....	passes test	calcium (Ca).....	max. 0,001 %
insoluble in water.....	max. 0,005 %	heavy metals (as Pb).....	max. 5 ppm
pH (5 %, H_2O , 25 °C).....	7,7 - 8,1	iron (Fe).....	max. 0,001 %
pH (20 %, H_2O).....	about 8	magnesium (Mg).....	max. 5 ppm
chlorides (Cl).....	max. 5 ppm	potassium (K).....	max. 0,001 %
nitrates (NO_3).....	max. 0,001 %	sodium (Na).....	max. 0,001 %

Physical data

- Appearance: crystals, colourless or white
- Spec. Density: 1,62 g/cm³
- Bulk density: ~ 800 -1000 kg/m³
- Solub. in water: (20 °C): 690 g/l
- Melting point: 155 °C (decomposes)
- pH(50 g/l H_2O) (20 °C) 7,8 - 8,5

Safety - GHS

Signal Word: Warning

**Hazard Statements:**

H312: Harmful in contact with skin.

H332: Harmful if inhaled.

Precautionary Statements:

P261: Avoid breathing dust / fume / gas / mist / vapours / spray.

P280: Wear protective gloves / protective clothing / eye protection / face protection.

P321: Specific treatment (see on this label).

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312: Call a POISON CENTER or doctor / physician if you feel unwell.

P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- 10°C - 30°C