AMMONIUM HYDROGEN CARBONATE

AM0330 Ammonium hydrogen carbonate, ExpertQ®, for analysis, Reag. Ph Eur

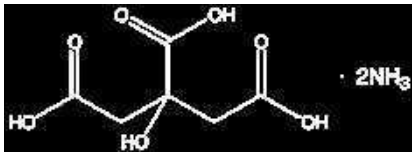
- Synonyms: Ammonium bicarbonate
- NH_4HCO_3
- M = 79,06 g/mol
- CAS [1066-33-7]
- EINECS-No.: 213-911-5
- Solub. in water: (20 °C): 220 g/l
- Melting point: 106 °C
- Vapour pressure: (20 °C) 67 hPa
- LD 50 (oral, rat): 1576 mg/kg
- GHS-signal word: Warning
- GHS-H sentences: H302
- GHS-P sentences: P264 - P270 - P330 - P301 + P312 - P501a
- Tariff number: 2836 10 00 00
- Applications: analytical chemistry, manufacture of dyes, in porcelain industry, pigment, in the textile industry.

assay (acidimetric) . . . . . min. 99 %
chlorides (Cl) . . . . . .max. 0,0005 %
nitrates (NO_3) . . . . . .max. 0,001 %
phosphates (as PO_4) . . . . . .max. 0,0005 %
sulfates (SO_4) . . . . . .max. 0,005 %
sulfides (S) . . . . . .max. 0,001 %
arsenic (As) . . . . . max. 1 ppm
calcium (Ca) . . . . . .max. 0,001 %
cadmium (Cd) . . . . . max. 5 ppm
cobalt (Co) . . . . . max. 5 ppm
copper (Cu) . . . . . max. 1 ppm
heavy metals (as Pb) . . . . . max. 5 ppm
iron (Fe) . . . . . max. 1 ppm
lead (Pb) . . . . . max. 5 ppm
magnesium (Mg) . . . . . .max. 0,001 %
nickel (Ni) . . . . . max. 5 ppm
potassium (K) . . . . . .max. 0,001 %
sodium (Na) . . . . . .max. 0,002 %
zinc (Zn) . . . . . max. 5 ppm
residue on ignition . . . . . .max. 0,05 %

ART. NO.	VOLUME	CONTAINER
AM03300500	500 g	P
AM03301000	1 kg	P
AM0330005P	5 kg	P

DI-AMMONIUM HYDROGEN CITRATE

AM0332 di-Ammonium hydrogen citrate, ExpertQ®, for analysis, ACS



- Synonyms: Ammonium citrate dibasic
- $C_6H_8O_7 \cdot 2NH_3$
- M = 226,19 g/mol
- CAS [3012-65-5]
- EINECS-No.: 221-146-3
- Solub. in water: (20 °C): freely soluble
- GHS-signal word: Warning
- GHS-H sentences: H319
- GHS-P sentences: P280 - P264 - P305 + P351 + P338 - P337 + P313
- Tariff number: 2918 15 00 90
- Applications: analytical chemistry, in fertilizer compositions, for determination of: phosphates.

assay . . . . . 98 - 103 %
insoluble matter . . . . . .max. 0,005 %
pH (5 %, H_2O) . . . . . 4,7 - 5,3
chlorides (Cl) . . . . . .max. 0,0005 %
oxalates (C_2O_4) . . . . . .passes test
phosphates (as PO_4) . . . . . .max. 0,0005 %
heavy metals (as Pb) . . . . . max. 5 ppm
iron (Fe) . . . . . max. 5 ppm
sulphur compounds (as SO_4) . . . . . .max. 0,005 %
residue on ignition . . . . . .max. 0,01 %

ART. NO.	VOLUME	CONTAINER
AM03320500	500 g	P
AM03321000	1 kg	P
AM0332005P	5 kg	P
AM0332025P	25 kg	P

DI-AMMONIUM HYDROGEN PHOSPHATE

- Synonyms: Ammonium biphosphate, Ammonium phosphate dibasic, Fyrex
- $(NH_4)_2HPO_4$
- M = 132,06 g/mol
- CAS [7783-28-0]
- EINECS-No.: 231-987-8
- Solub. in water: (20 °C): 690 g/l
- Melting point: 155 °C (decomposes)
- GHS-signal word: Warning
- GHS-H sentences: H312 - H332
- GHS-P sentences: P261 - P280 - P322 - P304 + P340 - P363 - P501a
- Tariff number: 3105 30 00 00
- Applications: Fire-resistant protective clothing, dentifrices, corrosion inhibitor, analytical chemistry.

AM0310 di-Ammonium hydrogen phosphate, extra pure, Pharmpur®, NF

assay (acidimetric) . . . . . 96,0 - 102,0 %
identification . . . . . .passes test
pH (1 %, H_2O) . . . . . 7,6 - 8,2
chlorides (Cl) . . . . . .max. 0,03 %
sulfates (SO_4) . . . . . max. 0,15 %
arsenic (As) . . . . . max. 3 ppm
Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
AM03100500	500 g	P
AM03101000	1 kg	P
AM0310005P	5 kg	P

AM0312 di-Ammonium hydrogen phosphate, ExpertQ®, for analysis, ACS

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

ART. NO.	VOLUME	CONTAINER
AM03120500	500 g	P
AM03121000	1 kg	P
AM0312025P	25 kg	P