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AM0273 Ammonium chloride, ExpertQ®, for analysis, ACS, ISO, Reag. Ph Eur



assay (argentometric) min. 99,5 %
 assay (argentometric, referred to
 dried sample) 99,5 - 100,5 %
 identity (IR-spectrum) passes test
 appearance of solution clear and colourless
 insoluble matter max. 0,005 %
 pH (5 %, H₂O) 4,5 - 5,5
 acidity or alkalinity passes test
 bromides and iodides passes test
 phosphates (as PO₄) max. 2 ppm
 sulfates (SO₄) max. 0,002 %
 calcium (Ca) max. 5 ppm

copper (Cu) max. 2 ppm
 heavy metals max. 5 ppm
 iron (Fe) max. 2 ppm
 lead (Pb) max. 1 ppm
 magnesium (Mg) max. 5 ppm
 nickel (Ni) max. 1 ppm
 potassium (K) max. 0,005 %
 sodium (Na) max. 0,005 %
 zinc (Zn) max. 2 ppm
 residue on ignition max. 1,0 %
 residue on ignition (800 °C) max. 0,01 %
 loss on drying (105 °C) max. 1,0 %

ART. NO.	VOLUME	CONTAINER
AM02730250	250 g	
AM02730500	500 g	
AM02731000	1 kg	
AM0273005P	5 kg	

AM0274 Ammonium chloride, molecular biology grade



assay (argentometric) min. 99,5%
 lead (Pb) max. 1 ppm
 DNases, RNases, Proteases non detected

ART. NO.	VOLUME	CONTAINER
AM02740500	500 g	

AMMONIUM DICHROMATE

AM0276 Ammonium dichromate, moistened with 0,2 - 3% H₂O, EssentQ®



- Synonyms: Ammonium bichromate, Ammonium pyrochromate
- (NH₄)₂Cr₂O₇
- M = 252,07 g/mol
- CAS [7789-09-5]
- EINECS-No.: 232-143-1
- Solub. in water: (20 °C): 360 g/l
- Melting point: 180°C (decomposes, explosion reaction)
- Ignition temp.: 218 °C
- LD 50 (oral, rat): 53,75 mg/kg
- EC-Index-No.: 024-003-00-1
- ADR: 5.1 O2 II UN 1439
- IMDG: 5.1 II UN 1439
- IATA/ICAO: 5.1 II UN 1439

- GHS-signal word: Danger
- GHS-H sentences: H272 - H301 - H330 - H334 - H340 - H350 - H360FD - H372 - H314 - H400 - H410 - H312 - H317
- GHS-P sentences: P221 - P303 + P361 + P353 - P305 + P351 + P338 - P320 - P405 - P501a
- Tariff number: 2841 50 00 00
- Applications: photography, in explosive compositions, catalyst, in porcelain industry, analytical chemistry.
- Appearance: Orange crystals

assay (iodometric) min. 97 %
 chlorides (Cl) max. 0,01 %
 sulfates (SO₄) max. 0,02 %
 calcium (Ca) max. 0,01 %
 copper (Cu) max. 0,005 %
 iron (Fe) max. 0,005 %
 lead (Pb) max. 0,01 %
 sodium (Na) max. 0,01 %
 loss on drying (105°C) max. 3 %

ART. NO.	VOLUME	CONTAINER
AM02760500	500 g	
AM02761000	1 kg	
AM0276005P	5 kg	

AMMONIUM DIHYDROGEN PHOSPHATE

- Synonyms: Ammonium biphosphate, Ammonium phosphate monobasic, Primary ammonium phosphate, Monoammonium orthophosphate
- (NH₄)₂H₂PO₄
- M = 115,03 g/mol

- CAS [7722-76-1]
- EINECS-No.: 231-764-5
- Solub. in water: (20°C): 370 g/l
- Melting point: 190 °C
- LD 50 (oral, rat): 2500 mg/kg

- Tariff number: 3105 40 00 10
- Applications: in fertilizer compositions, analytical chemistry, in buffer solutions.

AM0334 Ammonium dihydrogen phosphate, EssentQ®

assay (acidimetric) min. 99 %
 pH (5 %, H₂O) 4,0 - 4,5
 insoluble in water max. 0,02 %
 chlorides (Cl) max. 0,001 %
 nitrates (NO₃) max. 0,005 %
 sulfates (SO₄) max. 0,01 %
 arsenic (As) max. 1 ppm

copper (Cu) max. 0,001 %
 heavy metals (as Pb) max. 0,005 %
 iron (Fe) max. 0,001 %
 nickel (Ni) max. 0,001 %
 lead (Pb) max. 0,001 %

ART. NO.	VOLUME	CONTAINER
AM03340500	500 g	
AM03341000	1 kg	
AM0334005P	5 kg	
AM0334025P	25 kg	

AM0335 Ammonium dihydrogen phosphate, ExpertQ®, for analysis, ACS, Reag. Ph Eur

assay (acidimetric) min. 98,0 %
 identity (IR-spectrum) passes test
 insoluble in water max. 0,005 %
 pH (2,3 %, H₂O) about 4,2
 pH (5 %, H₂O) 3,8 - 4,4
 chlorides (Cl) max. 5 ppm
 nitrates (NO₃) max. 0,001 %

sulfates (SO₄) max. 0,005 %
 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. 0,005 %
 sodium (Na) max. 0,005 %

ART. NO.	VOLUME	CONTAINER
AM03350500	500 g	
AM03351000	1 kg	
AM0335005P	5 kg	
AM0335025P	25 kg	