AM0267 Ammonium carbonate, HPLC grade

assay (acidimetric, NH_3) . . . . . min. 30,0 %
identity (IR-spectrum) . . . . . .passes test
insoluble matter . . . . . .passes test
chlorides (Cl) . . . . . .max. 0,0005 %
sulfates (SO_4) . . . . . .max. 0,005 %
arsenic (As) . . . . . max. 3 ppm
copper (Cu) . . . . . .max. 0,0025 %
heavy metals . . . . . .max. 0,001 %
iron (Fe) . . . . . max. 5 ppm
lead (Pb). . . . . .max. 0,001 %
max. absorbance of an aqueous sol. 10 % in a 1,0 cm cell at wavelength absorbance
240 nm. . . . . 0,1 AU
250 nm. . . . . 0,04 AU
260 nm . . . . . 0,02 AU
280 nm . . . . . 0,01 AU

ART. NO.	VOLUME	CONTAINER
AM02670250	250 g	

AMMONIUM CERIUM(IV) NITRATE

CE0050 Ammonium cerium(IV) nitrate, EssentQ®

- Synonyms: di-Ammonium hexanitratocerate (IV), Ceric ammonium nitrate
- $(NH_4)_2[Ce(NO_3)_6]$
- M = 548,23 g/mol
- CAS [16774-21-3]
- EINECS-No.: 240-827-6
- Solub. in water: (20 °C): soluble
- Melting point: ~ 108 °C
- ADR: 5.1 O2 II UN 1477
- IMDG: 5.1 II UN 1477
- IATA/ICAO: 5.1 II UN 1477
- GHS-signal word: Danger
- GHS-H sentences: H272 - H318
- GHS-P sentences: P221 - P210 - P220 - P280 - P305 + P351 + P338 - P501a
- Tariff number: 2846 10 00 90
- Applications: analytical chemistry, titrant in volumetric analysis.
- Appearance: Orange crystals

assay (oxidimetric) . . . . . .min. 99 %

ART. NO.	VOLUME	CONTAINER
CE00500100	100 g	
CE00501000	1 kg	

AMMONIUM CERIUM(IV) SULFATE DIHYDRATE

CE0060 Ammonium cerium(IV) sulfate dihydrate, EssentQ®

- Synonyms: Ceric ammonium sulfate, tetra-Ammonium-tetrasulfatocerate (IV)
- $(NH_4)_4[Ce(SO_4)_4]\cdot 2H_2O$
- M = 632,56 g/mol
- CAS [10378-47-9]
- EINECS-No.: 231-567-4
- Solub. in water: (20 °C): hydrolysis reaction
- Tariff number: 2846 10 00 90
- Applications: for the synthesis of: inorganic salts, for determination of: cerium.

assay (oxidimetric) . . . . . .min. 95 %

ART. NO.	VOLUME	CONTAINER
CE00600100	100 g	

AMMONIUM CHLORIDE

- Synonyms: Salt ammoniac
- NH_4Cl
- M = 53,49 g/mol
- CAS [12125-02-9]
- EINECS-No.: 235-186-4
- Solub. in water: (20 °C): 372 g/l
- Melting point: 335 °C (decomposes)
- Ignition temp.: > 400 °C
- Vapour pressure: (30 °C) 1,3 hPa
- LD 50 (oral, rat): 1440 mg/kg
- EC-Index-No.: 017-014-00-8
- GHS-signal word: Warning
- GHS-H sentences: H302 - H319
- GHS-P sentences: P280 - P264 - P270 - P305 + P351 + P338 - P337 + P313 - P501a
- Tariff number: 2827 10 00 00
- Applications: manufacture of dyes, in explosive compositions, analytical chemistry.

AM0270 Ammonium chloride, extra pure, Pharmpur®, Ph Eur, BP, USP

assay (argentometric, on dried sample) 99,5 - 100,5 %
identification . . . . . .passes test
acidity or alkalinity . . . . . .passes test
appearance of solution . . . . . .clear and colourless
pH (5 %, H_2O) . . . . . 4,6 - 6,0
bromides and iodides . . . . . .passes test
sulfates (SO_4) . . . . . max. 150 ppm
limit of thiocyanate. . . . . .passes test
calcium (Ca). . . . . max. 200 ppm
iron (Fe) . . . . . max. 20 ppm
residue on ignition . . . . . max. 0,1 %
loss on drying (105 °C). . . . . .max. 1,0 %
loss on drying (over silica gel) . . . . . .max. 0,5 %
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
AM02700500	500 g	
AM02701000	1 kg	
AM0270005P	5 kg	
AM0270025P	25 kg	