

Art. No.	Pack Qty.	Pack.	€
CN94.1	500 g	plastic	20,35
Original pack 6 x 500 g			19,33/500 g
CN94.2	1 kg	plastic	31,75
Original pack 6 x 1 kg			30,16/1 kg
CN94.4	2.5 kg	plastic	55,80
CN94.3	5 kg	plastic	95,70

### Ammonium cerium(IV) nitrate

► Cerium(IV) ammonium nitrate see page 825

### Ammonium cerium(IV) sulphate dihydrate

Cerium(IV) ammonium sulphate dihydrate

$(\text{NH}_4)_4\text{Ce}(\text{SO}_4)_4 \cdot 2\text{H}_2\text{O}$

CAS No. 10378-47-9 · EC no. 231-567-4

WGK 1

### Ammonium cerium(IV) sulphate dihydrate

≥99 %, p.a.

Oxidant reagent, for cerimetric titrations

#### Guarantee analysis

Assay	≥99,0 %
Chloride (Cl)	≤0,01 %
Phosphate (PO <sub>4</sub> )	≤0,02 %
Iron (Fe)	≤0,005 %

Art. No.	Pack Qty.	Pack.	€
4386.1	100 g	plastic	57,55
4386.2	250 g	plastic	125,25
4386.3	500 g	plastic	203,20
Original pack 6 x 500 g			193,04/500 g

### Ammonium chloride

Salmiac · Salmiac salt

$\text{NH}_4\text{Cl} \cdot \text{D } 1,53 \text{ g/cm}^3 \cdot \text{mp } 338 \text{ }^\circ\text{C}$

CAS No. 12125-02-9 · EC no. 235-186-4

WGK 1

⚠ Warning H302-H319

### Ammonium chloride ROTI<sup>®</sup>METIC 99,999 % (5N)

#### Type analysis

Assay (metals basis) ..... 99,999 %

Chemical analysis (ICP, AAS): up to 60 specified trace metal impurities in ppm range.

Art. No.	Pack Qty.	Pack.	€
5050.1	50 g	plastic	145,15
5050.2	100 g	plastic	241,90

### Ammonium chloride ≥99,7 %, p.a., Ultra Quality

Reagent for photography, buffer substance, molecularbiology, mixtures cryogenes.

#### Guarantee analysis

Assay (arg.)	≥99,7 %
pH-value (5 % solution)	4,5-5,5
Water (KF)	≤0,1 %
Appearance of solution	complies
In H <sub>2</sub> O insoluble matter	≤0,005 %
Acidity or alkalinity	complies
Ash content (as SO <sub>3</sub> )	≤0,02 %
Pyridine and homologues	≤0,001 %
Bromide and Iodide (Br,I)	complies
Phosphate (PO <sub>4</sub> )	≤0,0002 %

Nitrate (NO <sub>3</sub> )	≤0,001 %
Sulphate (SO <sub>4</sub> )	≤0,002 %
Iodide (I)	≤0,001 %
Heavy metals (as Pb)	≤0,0005 %
Arsenic (As)	≤0,00005 %
Lead (Pb)	≤0,0001 %
Cadmium (Cd)	≤0,0001 %
Calcium (Ca)	≤0,001%
Chromium (Cr)	≤0,0005 %
Iron (Fe)	≤0,0002 %
Potassium (K)	≤0,005 %
Cobalt (Co)	≤0,0005 %
Copper (Cu)	≤0,0005 %
Magnesium (Mg)	≤0,0005 %
Nickel (Ni)	≤0,0005 %
Mercury (Hg)	≤0,0001 %
Zinc (Zn)	≤0,0005 %

Art. No.	Pack Qty.	Pack.	€
K298.1	500 g	plastic	32,15
Original pack 6 x 500 g			30,54/500 g
K298.2	1 kg	plastic	59,05
Original pack 6 x 1 kg			56,10/1 kg
K298.3	2.5 kg	plastic	99,90
K298.4	5 kg	plastic	142,45
K298.6	10 kg	plastic	235,45
K298.5	25 kg	plastic	471,95

### Ammonium chloride

≥99,5 %, Ph. Eur., USP, BP

#### Guarantee analysis

Assay (argentometric, dry substance) ..... 99,5-100,5 %

Identity	complies
pH value (5 % in water)	4,6-6,0
Appearance of solution	complies
Loss on drying (2 h, 105 °C)	≤0,5 %
Ash content (as SO <sub>3</sub> )	≤0,1 %
Acid or alkaline react. substances	complies
Bromide and Iodide (Br,I)	complies
Phosphate (PO <sub>4</sub> )	≤0,002 %
Sulphate (SO <sub>4</sub> )	≤0,005 %
Thiocyanate (SCN)	complies
Arsenic (As)	≤0,0001 %
Lead (Pb)	≤0,001 %
Calcium (Ca)	≤0,02 %
Iron (Fe)	≤0,002 %
Copper (Cu)	≤0,001 %
Magnesium (Mg)	≤0,005 %
Nickel (Ni)	≤0,001 %
Heavy metals (as Pb)	≤0,001 %

Art. No.	Pack Qty.	Pack.	€
P726.1	500 g	plastic	24,65
Original pack 6 x 500 g			23,42/500 g
P726.2	1 kg	plastic	41,85
Original pack 6 x 1 kg			39,76/1 kg
P726.4	2.5 kg	plastic	64,40
P726.3	5 kg	plastic	101,60
P726.6	10 kg	plastic	149,45
P726.5	25 kg	plastic	306,40

### Ammonium chloride

≥99 %, cryst.

#### Type analysis

Appearance	fine white crystals
Assay (NH <sub>4</sub> Cl)	≥99,0 %
Iron (Fe)	≤0,0003 %
Sodium chloride (NaCl)	≤0,2 %
Water (KF)	≤0,1 %
Ash	≤0,25 %

Art. No.	Pack Qty.	Pack.	€
5470.1	1 kg	plastic	24,65
Original pack 6 x 1 kg			23,42/1 kg
5470.4	2.5 kg	plastic	48,30
5470.2	5 kg	plastic	72,60
5470.3	10 kg	plastic	120,95
5470.5	25 kg	plastic	241,90

### Ammonium citrate, dibasic

► di-Ammonium hydrogen citrate see page 736

### tri-Ammonium citrate

Citric acid triammonium salt · Ammonium citrate tribasic

$\text{C}_6\text{H}_{17}\text{N}_3\text{O}_7 \cdot \text{D } 1,48 \text{ g/cm}^3$

CAS No. 3458-72-8 · EC no. 222-394-5

WGK 1

⚠ Warning H315-H319-H335

### tri-Ammonium citrate

≥97 %, pure

#### Type analysis

Assay (titr.)	≥97,0 %
pH value (5 % in H <sub>2</sub> O)	7,0-8,0
Chloride (Cl)	≤0,005 %
Sulphate (SO <sub>4</sub> )	≤0,01 %
Iron (Fe)	≤0,005 %

Art. No.	Pack Qty.	Pack.	€
9488.1	100 g	plastic	29,60
9488.2	500 g	plastic	75,15
Original pack 6 x 500 g			71,39/500 g
9488.3	1 kg	plastic	117,20
Original pack 6 x 1 kg			111,34/1 kg

### Ammonium citrate tribasic

► tri-Ammonium citrate see page 734

### Ammonium dihydrogen phosphate matrix modifier solution

► Ammonium dihydrogen phosphate matrix modifier solution see page 1069

► Ammonium dihydrogen phosphate matrix modifier solution see page 1069

### Ammonium dihydrogen phosphate

Ammonium biphosphate · Ammonium-phosphate monobasic

$(\text{NH}_4)\text{H}_2\text{PO}_4 \cdot \text{D } 1,81 \text{ g/cm}^3 \cdot \text{mp } 197 \text{ }^\circ\text{C}$

CAS No. 7722-76-1 · EC no. 231-764-5

WGK 1

### Ammonium dihydrogen phosphate ROTI<sup>®</sup>METIC 99,999 % (5N)

#### Type analysis

Assay (metals basis) ..... 99,999 %

Chemical analysis (ICP, AAS): up to 60 specified trace metal impurities in ppm range.

Art. No.	Pack Qty.	Pack.	€
5580.1	25 g	plastic	70,45
5580.2	100 g	plastic	161,80