

Ammonium chloride AnalR NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent

| | | |
|---|---|---------------------|
| Assay (calculated on dried substance) 99.8 to 100.5 % | Acidity or alkalinity | Passes test Ph.Eur. |
| Appearance of solution | Bromides and iodides | Passes test Ph.Eur. |
| Identification A | Identification B | Passes test Ph.Eur. |
| Solution S | pH (25°C; 5 %) | 4.5 to 5.5 |
| Heavy metals (as Pb) | Ignition residue (SO ₄) | Max. 100 ppm |
| Insolubility in water | Loss on drying (105°C; 2 h) | Max. 1.0 % |
| NO ₃ (Nitrate) | PO ₄ (Phosphate) | Max. 2 ppm |
| SO ₄ (Sulphate) | Ca (Calcium) | Max. 5 ppm |
| Cu (Copper) | Fe (Iron) | Max. 2 ppm |
| K (Potassium) | Mg (Magnesium) | Max. 5 ppm |
| Na (Sodium) | Ni (Nickel) | Max. 1 ppm |
| Pb (Lead) | Zn (Zinc) | Max. 2 ppm |
| Conforms to BDH 10017 | Conforms to ACS | Passes test |
| Conforms to Reag. Ph.Eur. | | Passes test |

| Cat. No. | Pk | Pack type |
|-----------|-------|---------------------------|
| 21236.267 | 500 g | Plastic bottle for solids |
| 21236.291 | 1 kg | Plastic bottle for solids |
| 21236.360 | 5 kg | Bucket (Plastic) |

Ammonium chloride GPR RECTAPUR®

| | |
|---|--------------|
| Assay | Min. 99 % |
| Heavy metals (as Pb) | Max. 10 ppm |
| Ignition residue (SO ₄) | Max. 0.1 % |
| SO ₄ (Sulphate) | Max. 100 ppm |
| Fe (Iron) | Max. 10 ppm |

| Cat. No. | Pk | Pack type |
|-----------|-------|---------------------------|
| 21235.297 | 1 kg | Plastic bottle for solids |
| 21235.366 | 5 kg | Plastic bottle for solids |
| 21235.468 | 25 kg | Bucket (Plastic) |

Ammonium chloride Molecular biology grade

| | |
|---------------------------------------|---------------|
| Assay | Min. 99.8 % |
| DNases | Not detected |
| RNases | Not detected |
| Proteases | Not detected |
| Absorbance (260 nm) (0.1 mol/l) | Max. 0.03 |
| Absorbance (280 nm) (0.1 mol/l) | Max. 0.02 |
| Heavy metals (as Pb) | Max. 0.001 % |
| Insoluble substances | Passes test |
| pH (20 °C; 5 %) | 4.5 to 5.5 |
| Cu (Copper) | Max. 0.0002 % |
| Fe (Iron) | Max. 0.0002 % |
| Mg (Magnesium) | Max. 0.0005 % |
| Pb (Lead) | Max. 0.0001 % |

| Cat. No. | Pk | Pack type |
|----------|-------|----------------|
| 437073P | 250 g | Plastic bottle |
| 437075R | 1 kg | Plastic bottle |

Ammonium chloride, crystallized TECHNICAL

| | |
|-------------|-----------|
| Assay | Min. 98 % |
|-------------|-----------|

| Cat. No. | Pk | Pack type |
|-----------|------|------------------|
| 21224.368 | 5 kg | Bucket (Plastic) |

Ammonium chloride (2 - 6 mol/l; < 2 - 6 N) in aqueous solution

CAS 12125-02-9

EINECS: 235-186-4

NH₄Cl

M.W. 53.49 g/mol

Storage Temperature: Ambient temperature

Ammonium chloride 2 mol/l (2 N) in aqueous solution Reag. Ph. Eur. 1005301

| Cat. No. | Pk | Pack type |
|-----------|-----|----------------|
| 87769.290 | 1 l | Plastic bottle |

Supplied with certificate of analysis. Normally manufactured to order. Please check with customer services.

Ammonium chloride buffer solution pH 10.0**NEW Ammonium chloride buffer solution pH 10.0 Reag. Ph. Eur. 4007300**

| Cat. No. | Pk | Pack type |
|-----------|-----|----------------|
| 85739.290 | 1 l | Plastic bottle |

Supplied with certificate of analysis. Normally manufactured to order. Please check with customer services.

Ammonium citrate dibasic

See di-Ammonium hydrogen citrate p.35

Ammonium citrate tribasic

See tri-Ammonium citrate p.32

tri-Ammonium citrate

Ammonium citrate tribasic, Citric acid triammonium salt, Triammonium 2-hydroxypropane-1,2,3-tricarboxylate

WarningH319 H335 H315
P280 P302+P352 P304+P340 P305+P351+P338
P309+P311

CAS 3458-72-8

EINECS: 222-394-5

C₆H₁₇N₃O₇

M.W. 243.22 g/mol

Density: 1 g/cm³ (25 °C)

Melting Pt: 185 °C

Storage Temperature: Ambient temperature

**tri-Ammonium citrate AnalR NORMAPUR® analytical reagent**

| | | | |
|---|-----------------|-----------------------------|-------------|
| Assay | 98.5 to 101.0 % | Identification | Passes test |
| Reducing substances | Passes test | pH (20°C; 5 %) | 6.0 to 7.5 |
| Ignition residue (SO ₄) | Max. 50 ppm | Insolubility in water | Max. 50 ppm |
| Cl (Chloride) | Max. 10 ppm | Cu (Copper) | Max. 1 ppm |
| Fe (Iron) | Max. 5 ppm | K (Potassium) | Max. 30 ppm |
| Na (Sodium) | Max. 40 ppm | Pb (Lead) | Max. 5 ppm |

| Cat. No. | Pk | Pack type |
|----------|-------|---------------------------|
| 103013A | 250 g | Plastic bottle for solids |

tri-Ammonium citrate GPR RECTAPUR®

| | |
|---|--------------|
| Assay | 97 to 103 % |
| Identification | Passes test |
| pH (20°C; 5 %) | 6.0 to 7.5 |
| Ignition residue (SO ₄) | Max. 0.05 % |
| Cl (Chloride) | Max. 100 ppm |
| Pb (Lead) | Max. 10 ppm |

| Cat. No. | Pk | Pack type |
|----------|-------|---------------------------|
| 271534H | 500 g | Plastic bottle for solids |