

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

NH₄HCO₃
M = 79,06 g/mol
CAS [1066-33-7]
EC number: 213-911-5
Taric code: 2836 10 00

Synonyms

Ammonium bicarbonate

Applications

analytical chemistry, manufacture of dyes, in porcelain industry, pigment, in the textile industry.

Specifications

| | | | |
|---------------------------------------|---------------|---------------------------|--------------|
| assay (acidimetric)..... | min. 99 % | copper (Cu)..... | max. 1 ppm |
| chlorides (Cl)..... | max. 0,0005 % | heavy metals (as Pb)..... | max. 5 ppm |
| nitrates (NO ₃)..... | max. 0,001 % | iron (Fe)..... | max. 1 ppm |
| phosphates (as PO ₄)..... | max. 0,0005 % | lead (Pb)..... | max. 5 ppm |
| sulfates (SO ₄)..... | max. 0,005 % | magnesium (Mg)..... | max. 0,001 % |
| sulfides (S)..... | max. 0,001 % | nickel (Ni)..... | max. 5 ppm |
| arsenic (As)..... | max. 1 ppm | potassium (K)..... | max. 0,001 % |
| calcium (Ca)..... | max. 0,001 % | sodium (Na)..... | max. 0,002 % |
| cadmium (Cd)..... | max. 5 ppm | zinc (Zn)..... | max. 5 ppm |
| cobalt (Co)..... | max. 5 ppm | residue on ignition..... | max. 0,05 % |

Physical data

- Appearance: crystals, white
- Spec. Density: 2,4 g/cm³
- Bulk density: ~ 600 kg/m³
- Solub. in water: (20 °C): 220 g/l
- Melting point: 106 °C
- Vapour pressure: (20 °C) 67 hPa
- pH(50 g/l H₂O, 20 °C) ~ 8

Safety - GHS

Signal Word: Warning

Hazard Statements:

H302: Harmful if swallowed.

**Precautionary Statements:**

- P264: Wash thoroughly after handling.
- P270: Do not eat, drink or smoke when using this product.
- P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P330: Rinse mouth.
- P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- 10°C - 30°C