

# Ammonium carbonate, for analysis, ExpertQ®, ACS

## Identification

NH<sub>4</sub>HCO<sub>3</sub> + NH<sub>4</sub>NH<sub>2</sub>COO  
CAS [10361-29-2]  
EC number: 233-786-0  
Taric code: 2836 10 00

## Synonyms

Salt of hartshorn

## Applications

manufacture of dyes, in the rubber industry, analytical chemistry.

## Specifications

|                                            |               |                                              |               |
|--------------------------------------------|---------------|----------------------------------------------|---------------|
| assay (acidimetric, NH <sub>3</sub> )..... | min. 30,0 %   | copper (Cu).....                             | max. 0,0025 % |
| identity (IR-spectrum).....                | passes test   | heavy metals.....                            | max. 5 ppm    |
| appearance of solution.....                | passes test   | iron (Fe).....                               | max. 5 ppm    |
| insoluble in water.....                    | max. 0,005 %  | lead (Pb).....                               | max. 0,001 %  |
| chlorides (Cl).....                        | max. 0,0005 % | zinc (Zn).....                               | max. 0,0025 % |
| arsenic (As).....                          | max. 3 ppm    | sulphur compounds (as SO <sub>4</sub> )..... | max. 0,002 %  |
| calcium (Ca).....                          | max. 0,01 %   | residue on ignition.....                     | max. 0,05 %   |

## Physical data

- Appearance: crystals or powder, white
- Solub. in water: (20 °C): soluble
- Melting point: 58 °C (decomposes)
- pH(100 g/l H<sub>2</sub>O, 20 °C) 9,4
- Hygroscopic

## 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

- 15°C - 25°C