

## Ammonium carbonate, HPLC grade

**Identification**

$\text{NH}_4\text{HCO}_3 + \text{NH}_4\text{NH}_2\text{COO}$   
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, $\text{NH}_3$ ).....	min. 30,0 %	iron (Fe).....	max. 5 ppm
identity (IR-spectrum).....	passes test	lead (Pb).....	max. 0,001 %
insoluble matter.....	passes test	max. absorbance of an aqueous sol. 10 % in a 1,0 cm cell at	
chlorides (Cl).....	max. 0,0005 %	wavelength:.....	absorbance:
sulfates ( $\text{SO}_4$ ).....	max. 0,005 %	240 nm.....	0,1 AU
arsenic (As).....	max. 3 ppm	250 nm.....	0,04 AU
copper (Cu).....	max. 0,0025 %	260 nm.....	0,02 AU
heavy metals.....	max. 0,001 %	280 nm.....	0,01 AU

**Physical data**

- Appearance: crystals or powder, white
- Solub. in water: (20 °C): soluble
- Melting point: 58 °C (decomposes)
- pH(100 g/l  $\text{H}_2\text{O}$ , 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**

- 10°C - 30°C