

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, NH_3).....	min. 30,0 %	max. absorbance of an aqueous sol.	
identity (IR-spectrum).....	passes test	10 % in a 1,0 cm cell at	
insoluble matter.....	passes test	wavelength:	absorbance:
chlorides (Cl).....	max. 0,005 %	240 nm.....	0,1 AU
sulfates (SO_4).....	max. 0,005 %	250 nm.....	0,04 AU
arsenic (As).....	max. 3 ppm	260 nm.....	0,02 AU
copper (Cu).....	max. 0,0025 %	280 nm.....	0,01 AU
heavy metals.....	max. 0,001 %		
iron (Fe).....	max. 5 ppm		
lead (Pb).....	max. 0,001 %		

Physical data

- Appearance: crystals or powder, white
- Solub. in water: (20 °C): soluble
- Melting point: 58 °C (decomposes)
- pH(100 g/l H_2O , 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.
- P330: Rinse mouth.
- P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Toxicological data

- LD 50 (oral, rat): 1975 mg/kg
- WGK: 1
- Poison class CH (Swiss): 4

Transport/storage

- Store between 15°C and 25°C