



AMMONIUM BICARBONATE TLG

PHYSICO-CHEMICAL CHARACTERISTICS

| | | | | | | | |
|------------------|--|------|------|------|------|------|------|
| Formula | : NH_4HCO_3 | | | | | | |
| Molecular weight | : 79.06 | | | | | | |
| Synonyms | : Ammonium hydrogen carbonate. | | | | | | |
| Bulk density | : 0.85 kg/dm ³ approx. | | | | | | |
| Water solubility | : increases with the temperature according to the following table: | | | | | | |
| | t °C | 10 | 20 | 30 | 40 | 50 | 60 |
| | g NH_4HCO_3 /100 g soln | 13.9 | 17.8 | 22.1 | 26.8 | 31.6 | 37.2 |
| Notice | : contains anti-caking agent magnesium carbonate. | | | | | | |

QUALITATIVE CHARACTERISTICS

| | | |
|---------------------------|-------------------------------|--------|
| Appearance of the product | fine white crystalline powder | |
| Assay | % NH_4HCO_3 | > 99.0 |
| Magnesium carbonate | % MgCO_3 | < 1.0 |
| Non-volatile matter | % | < 1.0 |
| Iron | mg/kg as Fe | < 10 |

The indicated values are intended as determined according to our standard analysis methods.

STANDARD PACKAGING

25 kg polyethylene bags
Various sizes bulk bags on pallets, shrinkwrapped

STORAGE

Store the product in the original container in a dry, cool and well-ventilated place away from direct heat or sunlight; store at temperature not exceeding 30°C.
If heated over 60°C it decomposes developing ammonia, carbon dioxide and water vapour.
Caking/lump formation can occur with this product; however, it does not deteriorate.

MAIN USES

In chemical synthesis e.g. auxiliary in the production of catalysts; buffering agent.
As a neutralising agent e.g. in the leather industry and dyestuffs.
As a blowing agent to introduce voids and reduce densities.
Nitrogen source for yeast cultures or for bacteria in sewage treatment plants.

FOR HANDLING INFORMATION PLEASE CONSULT THE SAFETY DATA SHEET.

THIS TECHNICAL DATA SHEET IS IDENTIFIED AS **ABC TLG 1 (0620) E1**