

**PRODUCT  
SPECIFICATION**



6403 DIMITROVGRAD - BULGARIA

**AMMONIUM HYDROGEN CARBONATE  
(BICARBONATE) – RAISING AGENT,  
WITHOUT ANTI-CAKING AGENT**

Number of revisions: 13  
Date of last revision: 05.10.2017

**General Information:**

**Chemical formula:**  $\text{NH}_4\text{HCO}_3$

**Molecular weight:** 79.06

**Appearance:** fine white crystals with slight odour of ammonia

**Solubility:** Freely soluble in water. Insoluble in ethanol

**Use:** raising agent in food, formulation and repackaging of mixtures, raw material in chemical synthesis

CAS No.: 1066 - 33 - 7

EC No.: 213 - 911 - 5

Neochim PLC code: 12 - 01  
E 503 (ii)

**Specifications:**

Indices	Typical Values	Limit Values
Ammonium bicarbonate, %	99.7	min.99.4
$\text{NH}_3$ , %	21.4 - 21.5	min. 21.4
Non-volatile residue, %	0,00	max. 0.05
Sulfur compounds (such as $\text{SO}_4$ ), %	complies	max. 0.003
Lead Pb %	complies	max. 0.0002
Chlorides, %	complies	max. 0.003
Iron, %	complies	max. 0.0005
Arsenic, %	complies	max. 0.0003
Hg, %	complies	max. 0.0001
pH of 5 % water solution	7.7	7.5 to 8.5
Bulk density, g/l	approx. 900	-

- two layer bags (polypropylene/polyethylene) - 25 kg net
- one layer bags (polyethylene) 25 kg net
- PE shrink wrapped pallets - 1000 kg net

Date of issue: 10.12.1999

These data are based on our current knowledge, experience and technical equipment. They do not relieve customers of carrying out their own tests and experiments, due to the great diversity of possible effects in processing and application of our products. They do not imply any legally binding assurances of certain properties and applications. The recipients of our products ought to abide by the existing legislation and regulations as well as possible reserved rights.

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