



## TECHNICAL DATA SHEET

# AMMONIUM CARBONATE POWDER PURE

### PRODUCT DATA AND TYPICAL PROPERTIES

Ammonium carbonate consists of ammonium carbamate, ammonium carbonate and ammonium hydrogen carbonate in varying proportions

Formula	: $\text{NH}_4\text{HCO}_3 \cdot \text{NH}_4\text{COONH}_2$
Molecular weight	: 157.16
Typical pH (20°C, 5% <sup>w/w</sup> solution)	: 8.6

### PRODUCT SPECIFICATION

Appearance		white powder with a tendency to cake
Assay	% w/w as $\text{NH}_3$	$32.0 \pm 2.0$
Iron	% as Fe	$\leq 0.001$
Non-Volatile Matter (at 300°C)	% as Mass	$\leq 0.01$
Chloride	% as $\text{Cl}^-$	$\leq 0.0030$
Sulphate	% as $\text{SO}_4^{2-}$	$\leq 0.0020$
Arsenic	% as As	$\leq 0.0001$
Cadmium	% as Cd	$\leq 0.0001$
Mercury	% as Hg	$\leq 0.0001$
Heavy Metals	% as Pb	$\leq 0.001$
Lead	% as Pb	$\leq 0.0001$

**The product supplied to this specification meets the requirements for food additive E503(i) - EU 231/2012 and FCC XII (2020).**

The product is tested using our standard analytical methods.

### HANDLING AND STORAGE

Shelf life: Nominally 12 months.

Storage Conditions: In a cool, dry warehouse out of direct sunlight.  
Caking/lump formation is normal with this product.

### STANDARD PACKAGING

25 kg plastic bags.

### MAIN USES

As a convenient source of ammonia used in a wide range of industries.

As a blowing/raising agent in industrial and food applications.

In polymer manufacture.

In metal treatment.

FOR HANDLING INFORMATION PLEASE CONSULT THE SAFETY DATA SHEET.

Product: AMMONIUM CARBONATE POWDER PURE      Issue No. 8  
Document Reference: PS 4P

Issue Date: September 2020  
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