

## TECHNICAL DATA SHEET

### Ammonium Bicarbonate

#### General Information

Chemical name:	Ammonium hydrogen carbonate
Chemical Formula:	NH <sub>4</sub> HCO <sub>3</sub>
Molecular Weight:	79.06
CAS No:	1066-33-7

#### PRODUCT SPECIFICATION

Parameter	Specification range	Resulted	Unit	Ref
Appearance	Fine, white or crystalline powder or white or almost white crystals.	Conform	-	BP 2020
Identification tests for Ammonia Carbonate	Passes test	Passes test	-	FCC 2019
purity	99.0 - 100.5	99.3	%	FCC 2019
Solubility	Freely soluble in water, practically insoluble in ethanol (96 %)	Conform	-	BP 2020
Chlorides	Max 30.0	≤ 30.0	ppm	FCC 2019
Sulfates	Max 70.0	≤ 70.0	ppm	BP 2020
Arsenic	Max 3.0	≤ 3.0	ppm	JECFA
Iron	Max 40.0	≤ 40.0	ppm	BP 2020
Pb	Max 10.0	≤ 10.0	ppm	BP 2020
PH	About 8.0	7.6-8.1	-	JECFA
Non-volatile matter	Max 0.55%	0.4-0.5	%	FCC 2019

#### Packing

Packed in 25 kg polyethylene bags.

#### HANDLING AND STORAGE

Store tightly sealed in a cool (15 – 25° C), dry and well-ventilated place away from moisture, heat and sunlight Avoid handling or transporting together with poisonous materials.