

5002 – AMMONIUM BICARBONATE, (FOOD GRADE)

REF NO: TBL/QA/SS/F/5002	STANDARD SPECIFICATION FOR AMMONIUM BICARBONATE, (FOOD GRADE)	Rev. No: 03
Issue No: 04		Review Date: 07/02/2025
Issue Date: 08/02/2022		Product code: 5002

PRODUCT PROPERTIES

C.A.S Number	10361-29-2
Chemical Formula	CH ₅ NO ₃
Formula weight	79.06
Functional Uses	Acidity regulator, raising agent.
Standard Packaging	50 Kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White powder or hard, white or translucent masses of crystals with an odour of ammonia. On exposure to air it becomes opaque and is finally converted into white porous lumps or powder (of ammonium bicarbonate) due to loss of ammonia and carbon dioxide.
Solubility	Soluble in water
Test for carbonate	Passes test
Test for ammonia	Passes test

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (1 in 20 soln)	8.6
Chlorides	NMT 30 mg/kg
Sulfates	NMT 50 mg/kg
Lead	NMT - 2 mg/kg
Non-volatile residue	NMT - 500 mg/kg
Heat test	Passes test
Assay	NLT 99.0%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

