

AMMONIUM BICARBONATE



General Information

Chemical Formula	NH ₄ HCO ₃	NH ₄ HCO ₃
Synonym	Powdered baking ammonia	
Origin	China	
H.S. Code	2836.99.90	
CAS No.	1066-33-7	
Molecular Weight	79.056 g mol ⁻¹	

Application

Food industry	It is used as a leavening and fermenting agent for making bakery products, as a flavour stabilizer in beverages and soft drinks, as a foaming powder for vegetables and as a nitrogen donor for yeast cultivation.
Fertilizer	In China and other few developing countries, it is used as a nitrogen fertilizer.
Chemical products	It is used in the production of ammonium salts, high temperature shift catalyst, ceramics, porous plastics, dyes, pigments, and nylon.
Other applications	It is used as an additive in the foam of fire extinguishers, to remove the scales from heat exchangers, and to produce lubricating oil.

Specification

Property	Units	Value
Appearance		White crystalline powder
Assay (NH ₄ HCO ₃)	%	99.0 min (Dry Basis)
Chloride (as Cl)	%	0.2 (max)
Sulphate (as SO ₄)	%	0.1 (max)
Sulphide (as S)	%	0.002 (max)
Iron (as Fe)	%	0.002 (max)
Heavy metals (as Pb)	%	0.0005 (max)
Arsenic (as As)	%	0.0002 (max)

Packaging

- 500 @ 50 kg PP/PE bags, 25 MT / 20' FCL