

Technical Data Sheet

Ammonium Bicarbonate

Ammonium bicarbonate with the chemical formula of $NH_4 HCO_3$ is a mineral compound that is mainly used in the food industries as a fermenting agent, improving aroma, taste, and also a bulking agent in the production of cakes and sweets ,bread ,biscuits and cookies.

Ammonium bicarbonate has two industrial grades (Chemical Grade) and food-grade (Food Grade) and in most cases to increase the quality of the final product as an additive, it is used in various industries and has a wide range of applications.

Applications:

Food industry: as a fermentation agent, especially in the production of baking powder

Fire industry: in the production of fire extinguishing materials

Sediment cleaner (in heat exchangers and boilers)

Plastics and rubber industry (especially sponge rubber)

Other uses:

Production of ceramics, leather tanning, and synthesis of catalysts.

Ammonium Bicarbonate General Information

Chemical Formula	NH ₄ HCO ₃
Molecular Weight	79.06
Grade	Food Grade

Ammonium Bicarbonate Properties

Appearance	White crystalline powder
Odor	Faint ammonia odor
Melting Point	41.9° C
Solubility	24.8 gr/ 100ml in water (25° C)

Ammonium Bicarbonate Specification

Test	Analysis
purity	99.3 %
Iron	≤ 40 ppm
Arsenic	≤ 3 ppm
Pb	≤ 10 ppm
PH	7.6 - 8.1