

## Ammonium Iodide

### Features of China Ammonium Iodide

- Product Name: Ammonium iodide
- Chemical Formula:  $\text{NH}_4\text{I}$
- CAS No.: 12027-06-4
- Dangerous Grade: NO

### Technical Data of Ammonium Iodide

Item	Specification	Result
Appearance	White crystalline powder	White crystalline powder
Assay( $\text{NH}_4\text{I}$ ), %	$\geq 99.5$	99.7
Insolubility, w/%	$\leq 0.005$	0.004
Chloride(Cl), w/%	$\leq 0.02$	< 0.02
Iodate and iodine( $\text{IO}_3$ ),w/%	$\leq 0.01$	< 0.01
Iron(Fe), %	$\leq 0.0003$	< 0.0003
Residue on ignition(as sulfate), w/%	$\leq 0.02$	0.01
Conclusion: Pass		

**Package and Storage:**

- 25kg/drum
- Store in a cool, dry place. Keep container closed when not in use

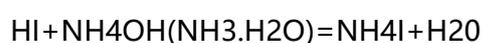
**Application /Application Industries:**

- Pharmaceuticals
- Photograph

The chemical formula of ammonium iodide is  $\text{NH}_4\text{I}$ . It is colorless crystal or granule at room temperature. Soluble in water, acetic acid, ammonia, soluble in ethanol, acetone; slightly soluble in ether. Sublimation of ammonium iodide after heating, the gas will appear yellow and brown when exposed to light and air.

**Neutralization method:**

Iodine and red phosphorus are added to a reactor containing water, and the reaction is carried out under stirring. After carefully filtering the reaction solution, distillation is carried out to collect a fraction of 125 to 130 ° C to obtain hydroiodic acid. When the ammonia gas is completely neutralized to a pH of 8 to 9, the ammonia gas is stopped. After filtering the solution, it was vacuum evaporated in a water bath until most of the crystals were precipitated. After cooling, centrifuging, drying at 50-60 ° C, the finished ammonium iodide is obtained.





Nanjing Chemical Material Corporation. (NCCM), is a professional chemical distributor company which is set up through the restructuring of state-owned Nanjing Chemical Raw Material Head Company. It was founded in 1995 at first and restructured in 2007. The company is headquartered in Nanjing, with 2 offices in Guangzhou and Tianjin. NCCM has established close cooperative relations with BASF, EASTMAN, AkzoNobel, Chevron Phillips, Cabot, Lonza, SABIC, Honeywell, Evonic, Oleon, Showa Denko, Idemitsu, UBE, etc. Based on its own R&D center and production base, NCCM is also engaged in research, manufacturing, storage and logistics, for an integrated service and customized solutions to our suppliers and customers.

NCCM Ammonium Iodide manufacturer support various industries with superior quality products, including lubricants and metal-processing, personal care, C.A.S.E, pharmaceutical and pesiticide, oil and water treatment, flavors and fragrances, organic & inorganic chemicals, ect.

The mission in NCCM is to be a bridge connecting dreams between China market and our partner in other countries, on the principle of equality, mutual benefit and win-win cooperation.