

TECHNICAL DATA SHEET

Adipic Acid



-CAS No.: 124-04-09

-Chemical Formula: $C_6H_{10}O_4$

-Appearance: white crystalline powder

-EINECS: 204-673-3

-HS CODE: 2917120001

-UN No.: 9077

-MW: 146.14

-PACKAGE: 25 kg bag, 500kg bag, 1000kg bag or according to customer's request.

-STORAGE: In a cool dry place and keep away from strong light and heat.

SPECIFICATION

Item	Superior class	First class	Qualified
Purity % m/m	99.7 min	99.7 min	99.5 min
Melting point	151.5 min	151.5 min	151 min
Ammonia solution color, pt-co	5 max	5 max	15 max
Moisture % m/m	0.20 max	0.27 max	0.4 max
Ash, mg/kg	7 max	10 max	35 max
Iron, mg/kg	1.0 max	1.0 max	3.0 max
Nitric acid, mg/kg	10.0 max	10.0 max	50.0 max
Oxidable matter, mg/kg	60 max	70 max	---
Chroma of melts, pt-co	50 max	---	---

Application:

1. Used as the material of polyurethane elastomer.
2. Used as chemical reagent, also used in plastics and synthetic organic.



3. It is the acidifier of food and drink, whose function is better than citric acid and tartaric acid.
4. It is the raw material of medicine, yeast extract, insecticide, adhesives, synthetic leather, synthetic dyes and spices.
5. Mainly used as the material of nylon 66 and engineering plastics, also used in the production of ester products, used as plasticizer and advanced lubricant.
6. Adipic a sour taste soft and durable, is a good PH regulator. Used in jelly powder(Max 0.15 g/kg) and solid drink powder(Max 0.01 g/kg).