



Specialized in chemicals

Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center,
Qianshan Rd. Hefei 230022 China

Tel : (0086) 551 5418677

Fax: (0086) 551 5418697

Email: sales21@tnjchem.com

Site: www.tnjchem.com

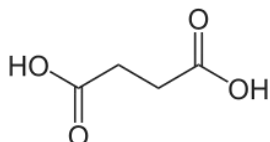
Technical Data Sheet

Succinic acid

Product Information

Chemical Name Succinic acid

Chemical Structure



CAS # 110-15-6

Formula HOOCCH₂CH₂COOH

Molecular Weight 118.09

Synonyms Butanedionic acid; Amber acid; Butanedioic acid; Dihydrofumaric acid asuccin
1,2-ethanedicarboxylic acid; Bernsteinsaure (German);

Description

Succinic acid is a colourless crystalline solid with a melting point of 185 -187 C; soluble in water; slightly dissolved in ethanol, ether, acetone and glycerine; not dissolved in benzene, carbon sulfide, carbon tetrachloride and oil ether.

Physical Properties

Apperance: odorless white crystals/flakes

Solubility in water: Moderately soluble

Specification

Succinic acid Industry grade, Pharma.grade, Food grade.

1) Succinct acid Industry grade

Item	Specification
Appearance	White Crystalline Powder
Assay, %	≥ 99.0
Melting Point, °C	185.0~190.0
Heavy Metals,%	≤ 0.001
Sulfates(as SO ₄ ²⁻),%	≤ 0.02
Iron content (as Fe ²⁺),%	≤ 0.0005
Chloride(as Cl ⁻),%	≤ 0.005
Fumaric,%	≤ 0.1
Ash (700°C),≤	≤ 0.1
Arsenic(as As),%	≤ 0.0002
Water Insoluble,%	≤ 0.01

2) Succinct acid Pharma. grade/Food grade

Item	Specification
Appearance	White Crystalline Powder
Assay, %	≥ 99.5
Melting Point, °C	185.0~190.0
Heavy Metals,%	≤ 0.001
Sulfates(as SO ₄ ²⁻),%	≤ 0.02
Iron content (as Fe ²⁺),%	≤ 0.0005
Chloride(as Cl ⁻),%	≤ 0.005
Fumaric,%	≤ 0.1
Ash (700°C),≤	≤ 0.01
Arsenic(as As),%	≤ 0.0002
Water Insoluble,%	≤ 0.001

Applications

Succinic acid is in the preparation of five-membered heterocyclic compound, which is a organic material widely used in pharmacy, chemical industry etc.

-- Succinic acid in chemical industry,be used in the production of dyes, alkyd resin, glass fiber reinforced plastic, ion interaction resin, pesticide,etc.

-- Succinic acid in medicine field, be Used for synthesis of sedatives, birth control pills and cancer treatment, etc.Also used in Production of sulphonamide, vitamin A, vitamin B and hemostatic, etc.

- Succinic acid in food filed,used as Citric acid in wine, feed, and candy,etc.
- Succinic acid is used as important intermediates of Fungicide sclerotium net and plant growth regulator daminozide.

Packaging

25kg per bag: PP plastic weaving bag or brown paper plastic bag
Total 18 MT per 20ft container with pallets,20 MT without pallets

Storage & Handling

Stored in cool and airy place; away from fire and heat; handle with care;no breakage, avoid leakage.
It is valid for 2 years under proper condition.

* Please refer to MSDS for more information about Safety, Storage and Transportation.