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Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center,  
Qianshan Rd. Hefei 230022 China

Tel : (0086) 551 5418695

Fax: (0086) 551 5418697

Email: info@tnjchem.com

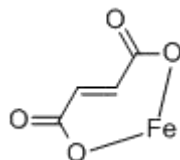
Site: www.tnjchem.com

## Technical Data Sheet

# Ferrous Fumarate

### Product Information

Product Name	Ferrous Fumarate
Synonyms	Iron(II) fumarate; 2-Butenedioic acid (2E)-, iron(2+) salt
CAS No.	141-01-5
EINECS No.	205-447-7
Molecular formula	C <sub>4</sub> H <sub>2</sub> FeO <sub>4</sub>
Molecular weight	169.9
Chemical structure	



### Physical Properties

Orange red to red brown powder. Soluble in water, difficult to soluble in ethanol.

Density 2.435g/cm<sup>3</sup>

Melting Point >280°C

### Specification

Index	CP	USP	BP	FCC	EP	Feed grade
Assay ≥%	93.0	97.0	93.0	97.0	93.0	90.0
Loss on drying ≤%	1.5	1.5	1.0	1.5	1.0	1.5
Fe ≤%	2.0	2.0	2.0	2.0	2.0	2.0
As ≤%	0.0004	0.0003	0.0005	-	0.0005	0.0004
Pb ≤%	0.005	0.001	0.002	0.002	0.002	0.005
Sulfate ≤%	0.2	0.2	0.2	0.2	0.20	0.2
Hg ≤%	-	0.0003	0.0001	0.0003	0.0001	-

<b>Cd ≤/%</b>	-	-	0.001	-	0.001	-
<b>Cr ≤/%</b>	-	-	0.02	-	0.02	-
<b>Ni ≤/%</b>	-	-	0.02	-	0.02	-
<b>Zn ≤/%</b>	-	-	0.05	-	0.05	-

## Safety

Ferrous Fumarate is stable material.

Always refer to the Material Safety Data Sheet (MSDS)

## Applications

- 1) Ferrous fumarate used as nutritional supplements (iron fortifier), the absorption effect is better than inorganic iron.
- 2) Ferrous fumarate as an anemia drug for the treatment of iron deficiency anemia. High iron content, good absorption.
- 3) Ferrous fumarate used as feed additives.

## Packaging

25kg per fiber drum or 25kg per kraft paper bag, or as per customer's requirements

## Storage & Handling

Keep container tightly closed. Keep container in a cool, well-ventilated area.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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## Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center  
Qianshan Road, Hefei  
230022 Anhui  
China

Tel : (0086) 551 5418677  
Fax: (0086) 551 5418697  
Email: info@tnjchem.com  
Site: www.tnjchem.com