A haemlinic is a nutrient required for the formation of the blood cell.

A compound that confain iron salt is called haematinic agent.

They are used in the treament of From deficiency. disease, eg Anaemia.

Example: Boxous sulfale (FeSO4.7H2O)
Fersous sulfale (FeSO4.7H2O) Ferrous Fumarate. (OOC-CH=CH-COO) Fe2t Ferrous Gluconate [HOCH2(CHOH)400]2 Fe2t.
Iron and Aromonium citrate. From Dextran Injection.

Feso4. 7420, M.W= 278.0

IP limit: Il confain not less than 98.0 % of FeSO4.7H20.

Ferous sulfate is prepeared by adding a slight excess of iron to dilute H2 SO4. Prepration: Fe + H2SO4 -> FeSO4 + H2

It occurs as odourless bluish-green crystalline properties.

> On exposure to moist air it is oxidized and becomes brown in colour due to the formation of basic sulfate.

- > It is complete dissolve in water. > It is stored in tightly-closed confainer.
- Ferrous sulfate cor oxidised to convert ferric sulfate on exposure to air.

4 Fe (OH) SO4 4 FeSO4 + 2H20+02 -> Ferric sulfate (Brown Colour.

Assay: -

-> Assay is based on oxidation-reduction (redox) te tration.

Acidified Solution of the substance is to titaled with cersic ammonium sulfate, in the presence of H. (1). of H2504.

-> Ferroin sulfate solution as an indication.

Method:

weighed amount of FeSO4.7420 (1900) 1 dissolve in H202 (30ml)) add H2SO4 (20ml)

To make it acidified I titaled with

ON Cerric ammonium sulfali I using indicator Ferroin Solution.

Each of 0:1N cerric ammonium sulfate is equivalent to 0.02789 of FeSO4.7H20.

From and its official compounds are used haematinic

> They are also used in the Heatment of iron deficiency eg anaemia.

-> Their are some official compound of Iron.

terrous sulphate - Fe 804. 7H20 Ferrous Fumarate. C4H2FeO4FeC2Hd(CO2)2 Ferrous Gluconate. Fe C12H22O14.2H2D Fessic Ammonium Citrate. Iron Dextran Injection Dried Ferrous Sulphate.

Ferrous Sulphate:-

FeSD4.7H20 -

Ferrous sulphate contain not less than 98.0%. of FeSO4.7H20.

Ferrous sulphate is prepared by adding a slight excess of Iron to distute sulphuric acid. Prepration.

Fe + H2804 -> FeSO4 + H2.

Physical properties:-→ It is adourless bluish-green crystal → Its taste metallic and astrongent.