



Edition: BP 2025 (Ph. Eur. 11.6 update)

Ferrous Sulfate Tablets

[General Notices](#)

Ferrous Sulphate Tablets

Action and use

Treatment of iron-deficiency anaemia.

DEFINITION

Ferrous Sulfate Tablets contain Dried Ferrous Sulfate. They are coated.

The tablets comply with the requirements stated under Tablets and with the following requirements.

Content of ferrous iron, Fe(II)

95.0 to 105.0% of the stated amount.

IDENTIFICATION

- A. The powdered tablets yield reaction A characteristic of [iron salts](#), [Appendix VI](#).
- B. Extract the powdered tablets with [2M hydrochloric acid](#) and filter. The filtrate yields reaction A characteristic of [sulfates](#), [Appendix VI](#).

ASSAY

Weigh and powder 20 tablets. Dissolve a quantity of the powder containing 0.5 g of Dried Ferrous Sulfate as completely as possible in a mixture of 30 mL of [water](#) and 20 mL of 1M [sulfuric acid](#) and titrate with 0.1M [ammonium cerium\(IV\) sulfate VS](#) using [ferroin solution](#) as indicator. Each mL of 0.1M [ammonium cerium\(IV\) sulfate VS](#) is equivalent to 5.585 mg of Fe(II).

LABELLING

The quantity of active ingredient is stated both as the amount of dried ferrous sulfate and in terms of the equivalent amount of ferrous iron.