

Certificate of Analysis

United States Pharmacopoeia

Ferric Chloride CS (USP)

Product No:	USPCS102	Date of Measurement:	03/07/2023
Lot No:	EPYS23F1	Date of Sample Receipt:	03/07/2023
Expiry Date*:	28/06/2027	Date of Manufacture*:	03/07/2023

Specification:

44.8875 g/L - 45.1125 g/L Iron (III) Chloride 6 Hydrate

Mean Measured Value:

44.9247 g/L @ 20°C

Method:

The result reported above was determined by analysis of a sample of this lot taken at time of manufacture. This Product complies with the current USP requirements. This certificate relates solely to the sample as received by the laboratory, bearing the product code and lot number given above.

Compliance:

This product complies with the current USP requirements.

Preparation:

Ferric Chloride CS: Dissolve about 55 g of ferric chloride ($\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$) in enough of a mixture of 25 mL of hydrochloric acid and 975 mL of water to make 1000 mL. Pipet 10 mL of this solution into a 250-mL iodine flask, add 15 mL of water, 3 g of potassium iodide, and 5 mL of hydrochloric acid, and allow the mixture to stand for 15 minutes. Dilute with 100 mL of water, and titrate the liberated iodine with 0.1 N sodium thiosulfate VS, adding 3 mL of starch TS as the indicator. Perform a blank determination with the same quantities of the same reagents, and make any necessary correction. Each mL of 0.1 N sodium thiosulfate is equivalent to 27.03 mg of $\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$. Adjust the final volume of the solution by the addition of enough of the mixture of hydrochloric acid and water so that each mL contains 45.0 mg of $\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$.

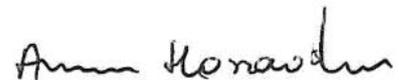
Products are manufactured under NSAI registered I.S EN ISO9001:2015 Quality Systems, registration no: 19.2769

Date of Issue of the Certificate :

03/07/2023

QC Technician

HOSZOWSKA Anna



All raw materials used to prepare this product are of high purity.

*The detail above is based on information supplied in writing by Reagecon Manufacturing.

Tested by Reagecon Quality Control Laboratories for Reagecon Manufacturing

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