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Zinc Sulfate Injection

[General Notices](#)

Zinc Sulphate Injection

DEFINITION

Zinc Sulfate Injection is a sterile solution of Zinc Sulfate Heptahydrate in Water for Injections.

The injection complies with the requirements stated under [Parenteral Preparations](#) and with the following requirements.

Content of zinc sulfate heptahydrate, $\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$

95.0 to 105.0% of the stated amount.

IDENTIFICATION

- A. A volume of the injection containing 0.1 g of Zinc Sulfate Heptahydrate yields the reaction characteristic of [zinc](#) and [zinc salts](#), [Appendix VI](#).
- B. A volume of the injection containing 45 mg of Zinc Sulfate Heptahydrate yields the reactions characteristic of [sulfates](#), [Appendix VI](#).

ASSAY

To a volume of the injection containing 0.16 g of Zinc Sulfate Heptahydrate add 5 mL of [dilute acetic acid](#). Carry out the *complexometric titration of zinc*, [Appendix VIII D](#).

Each mL of 0.1M [sodium edetate](#) is equivalent to 28.75 mg of $\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$.