



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

Zinc Sulfate Eye Drops

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Zinc Sulphate Eye Drops

DEFINITION

Zinc Sulfate Eye Drops are a sterile solution containing 0.25% w/v of Zinc Sulfate Heptahydrate in Purified Water.

The eye drops comply with the requirements stated under Eye Preparations and with the following requirements.

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

0.22 to 0.28% w/v.

ASSAY

To 5 mL add 50 mL of [water](#) and 5 mL of [ammonia buffer pH 10.9](#) and titrate with [0.01M disodium edetate VS](#) using [mordant black 11 solution](#) as indicator. Each mL of [0.01M disodium edetate VS](#) is equivalent to 2.875 mg of $\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$.