



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

Zinc and Ichthammol Cream

[General Notices](#)

DEFINITION

Zinc and Ichthammol Cream contains 5% w/w of Ichthammol dispersed in a suitable basis of which about 82% w/w is [Zinc Cream](#).

Extemporaneous preparation

The following formula and directions apply.

| | |
|----------------------------|------------------------------|
| Ichthammol | 50 g |
| Cetostearyl Alcohol | 30 g |
| Wool Fat | 100 g |
| Zinc Cream | Sufficient to produce 1000 g |

Melt together the Wool Fat and the Cetostearyl Alcohol with the aid of gentle heat, triturate the mixture with 800 g of [Zinc Cream](#) until smooth, incorporate the Ichthammol, add sufficient [Zinc Cream](#) to produce 1000 g and mix.

The cream complies with the requirements stated under Topical Semi-solid Preparations and with the following requirements.

Content of zinc oxide, ZnO

23.4 to 29.3% w/w.

ASSAY

Gently heat 0.4 g, taking precautions to avoid loss caused by spitting, until the basis is completely volatilised or charred, cool, dissolve the residue in 10 mL of 2M [sulfuric acid](#), add 40 mL of [water](#), adjust the solution to about pH 10 with 5M [ammonia](#), add 10 mL of [ammonia buffer pH 10.9](#) and titrate with 0.05M [disodium edetate VS](#) using [mordant black 11 solution](#) as indicator. Each mL of 0.05M [disodium edetate VS](#) is equivalent to 4.069 mg of ZnO.