



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

Liquid Paraffin and Magnesium Hydroxide Oral Emulsion

[General Notices](#)

DEFINITION

Liquid Paraffin and Magnesium Hydroxide Oral Emulsion is a 25% v/v dispersion of Liquid Paraffin in an aqueous suspension containing 6% w/w of hydrated magnesium oxide prepared from a suitable grade of Light Magnesium Oxide.

The oral emulsion complies with the requirements stated under Oral Liquids and with the following requirements.

Content of magnesium hydroxide, $\text{Mg}(\text{OH})_2$

5.1 to 7.0% w/w.

Content of liquid paraffin

19.7 to 24.0% w/w.

ASSAY

For magnesium hydroxide

Dilute 4 g with 50 mL of [water](#), shake with 25 mL of [0.5M hydrochloric acid VS](#) and titrate with [0.5M sodium hydroxide VS](#) using [methyl orange solution](#) as indicator. Each mL of [0.5M hydrochloric acid VS](#) is equivalent to 14.58 mg of $\text{Mg}(\text{OH})_2$.

For liquid paraffin

Extract the neutralised liquid obtained in the Assay for magnesium hydroxide with three 25 mL quantities of a mixture of equal volumes of [petroleum spirit](#) (boiling range, 40° to 60°) and [ether](#), wash the combined extracts with two 10-mL quantities of [water](#), discard the washings, evaporate the solvent, add 5 mL of [acetone](#) and again evaporate. Repeat the addition and evaporation of [acetone](#) until the residue is free from water, dry at 105° for 15 minutes and weigh.