



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

Magnesium Hydroxide Mixture

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Magnesium Hydroxide Oral Suspension

DEFINITION

Magnesium Hydroxide Mixture is an aqueous *oral suspension* of Magnesium Hydroxide in a suitable vehicle.

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

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

7.45 to 8.35% w/w.

CHARACTERISTICS

A white, uniform suspension which does not separate readily on standing.

TESTS

Sulfate

Dissolve 2.5 mL in 20 mL of [hydrochloric acid](#) and dilute to 500 mL with [water](#). 15 mL of the solution, filtered if necessary, complies with the [limit test for sulfates](#), [Appendix VII](#) (0.2%).

ASSAY

Mix 10 g with 50 mL of [water](#), add 50 mL of [0.5M sulfuric acid VS](#) and titrate the excess of acid with [1M sodium hydroxide VS](#) using [methyl orange solution](#) as indicator. Each mL of [0.5M sulfuric acid VS](#) is equivalent to 29.16 mg of $\text{Mg}(\text{OH})_2$.

STORAGE

Magnesium Hydroxide Mixture should not be refrigerated.