



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

Calcium Hydroxide Solution

General Notices

Lime Water

DEFINITION

Calcium Hydroxide	10 g
Purified Water, freshly boiled and cooled	Sufficient to produce 1000 mL

Extemporaneous preparation

The following directions apply.
Shake together thoroughly and repeatedly; allow to stand until clear. Siphon off the clear solution as required.

Content of calcium hydroxide, Ca(OH)₂

Not less than 0.15% w/v.

CHARACTERISTICS

A colourless liquid. It absorbs carbon dioxide from the air, a film of calcium carbonate being formed on the surface of the liquid. It becomes turbid when boiled and clear again on cooling.

IDENTIFICATION

Yields the reactions characteristic of *calcium salts*, [Appendix VI](#).

ASSAY

Titrate 25 mL with [0.1M hydrochloric acid VS](#) using [phenolphthalein solution R1](#) as indicator. Each mL of [0.1M hydrochloric acid VS](#) is equivalent to 3.705 mg of Ca(OH)₂.

STORAGE

Calcium Hydroxide Solution should be kept in a well-filled container.

