



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

Calcium Carbonate Chewable Tablets

[General Notices](#)

Chewable Calcium Carbonate Tablets

DEFINITION

Calcium Carbonate Chewable Tablets contain Calcium Carbonate. They may be flavoured.

The tablets comply with the requirements stated under Tablets and with the following requirements.

Content of calcium, Ca

95.0 to 105.0% of the stated amount.

IDENTIFICATION

- A. The powdered tablets yield reaction B characteristic of *calcium salts*, [Appendix VI](#).
B. The powdered tablets yield the reactions characteristic of *carbonates*, [Appendix VI](#).

TESTS

[Disintegration](#)

The requirement for Disintegration does not apply to Calcium Carbonate Chewable Tablets.

ASSAY

Weigh and powder 20 tablets. To a quantity of the powder containing the equivalent of 0.25 g of calcium add 50 mL of [water](#) and 5 mL of [hydrochloric acid](#). Heat the dispersion gently to boiling and continue to boil for about 2 minutes. Allow to cool, add sufficient [water](#) to produce 250 mL and filter, if necessary. To 50 mL of this solution add 50 mL of 0.05M [disodium edetate VS](#). Neutralise the solution using 2M [sodium hydroxide](#) and add 10 mL of [ammonia buffer pH 10.9](#) and 50 mL of [water](#). Titrate the excess of disodium edetate with 0.05M [zinc chloride VS](#) using *mordant black II solution* as indicator. Each mL of 0.05M [disodium edetate VS](#) is equivalent to 2.004 mg of Ca.

STORAGE

Calcium Carbonate Chewable Tablets should be protected from moisture.

LABELLING

The quantity of active ingredient is stated in terms of the equivalent amount of calcium.