



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

## Potassium Chloride Effervescent Tablets

### [General Notices](#)

Effervescent Potassium Chloride Tablets

### DEFINITION

Potassium Chloride Effervescent Tablets contain potassium ions and chloride ions in an effervescent basis. The proportion of chloride ions to potassium ions may vary, but the stated molar proportion of chloride ions should be not less than 66% of that of potassium ions.

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

#### Content of potassium ions, K<sup>+</sup>

95.0 to 105.0% of the stated amount.

#### Content of chloride ions, Cl<sup>-</sup>

95.0 to 105.0% of the stated amount.

### IDENTIFICATION

- A. The powdered tablets yield the reactions characteristic of *potassium salts* and of *chlorides*, [Appendix VI](#).
- B. Effervesce on the addition of [water](#).

### TESTS

#### [Disintegration](#)

The requirement for Disintegration does not apply to Potassium Chloride Effervescent Tablets.

#### Solution

One tablet dissolves in 100 mL of [water](#) at 20° with brisk effervescence in not more than 3 minutes. The resulting solution is not more than faintly opalescent.

### ASSAY

Weigh and powder 20 tablets.

*For potassium ions*

Dissolve a quantity of the powder containing 35 mg of potassium ions in sufficient [water](#) to produce 500 mL. Dilute 5 mL of the resulting solution to 100 mL with a 0.6% w/v solution of [strontium chloride](#) and determine the content of potassium by Method I for *atomic emission spectrophotometry*, [Appendix II D](#), measuring at 767 nm and using *potassium standard solution (600 ppm K)*, suitably diluted with a 0.6% w/v solution of [strontium chloride](#), to prepare the [standard solutions](#).

#### ***For chloride ions***

Dissolve a quantity of the powder containing 0.12 g of chloride ions in [water](#), dilute to 50 mL with [water](#) and titrate with [0.1 M silver nitrate VS](#) using [potassium chromate solution](#) as indicator. Each mL of [0.1 M silver nitrate VS](#) is equivalent to 3.545 mg of Cl.

## **LABELLING**

The label states the content of potassium ions and the content of chloride ions in terms of the weight and the number of millimoles of ion present in each tablet.

When Potassium Chloride Effervescent Tablets are prescribed or demanded, the amount of potassium required in each tablet must be specified.