



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

Dipotassium Hydrogen Phosphate Injection

[General Notices](#)

Dipotassium Phosphate Injection

DEFINITION

Dipotassium Hydrogen Phosphate Injection is a sterile solution of Dipotassium Hydrogen Phosphate in Water for Injections.

The injection complies with the requirements stated under Parenteral Preparations and with the following requirements.

Content of dipotassium hydrogen phosphate, K_2HPO_4

95.0 to 105.0% of the stated amount.

IDENTIFICATION

Yields the reactions characteristic of *potassium salts* and reaction B characteristic of *phosphates*, [Appendix VI](#).

TESTS

Alkalinity

pH, 9.0 to 10.0, [Appendix V L](#).

ASSAY

Dilute, if necessary, a volume of the injection with sufficient [carbon dioxide-free water](#) to produce a solution containing 8.71% w/v (1 millimole of potassium ion per mL) of dipotassium hydrogen phosphate. Titrate 20 mL with [0.5M hydrochloric acid VS](#) using a mixture of 4 volumes of [bromocresol green solution](#) and 1 volume of [methyl red solution](#) as indicator. Each mL of [0.5M hydrochloric acid VS](#) is equivalent to 87.1 mg of K_2HPO_4 .

LABELLING

The label states (1) the percentage w/v of Dipotassium Phosphate; (2) the concentration of the potassium ion in millimoles.

