

ABSTRACT

In the manufacturing method of hexafluorophosphate (MPF_6 :
 $\text{M} = \text{Li}, \text{Na}, \text{K}, \text{Rb}, \text{Cs}, \text{NH}_4, \text{ and Ag}$) of the present invention,
5 at least a $\text{H}_x\text{PO}_y\text{F}_z$ aqueous solution, a hydrofluoric acid aqueous
solution, and $\text{MF} \cdot r$ (HF) are used as raw materials (wherein,
 $r \geq 0$, $0 \leq x \leq 3$, $0 \leq y \leq 4$, and $0 \leq z \leq 6$). According to the
above description, a manufacturing method of
hexafluorophosphate can be provided which is capable of
10 manufacturing hexafluorophosphate (GPF_6 : $\text{G} = \text{Li}, \text{Na}, \text{K}, \text{Rb}, \text{Cs},$
 $\text{NH}_4, \text{ and Ag}$) at a low cost in which the raw materials can be
easily obtained, the control of the reaction is possible, and
the workability is excellent.