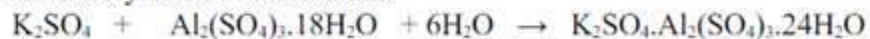


EXPERIMENT No.6

AIM: To prepare crystals of Potash alum.

THEORY: Potash alum, a double salt, commonly known as fitkari has the formula $K_2SO_4 \cdot Al_2(SO_4)_3 \cdot 24H_2O$. It can be prepared by making equimolar solution of potassium sulphate and aluminium sulphate in minimum amount of water. A few ml of dil. H_2SO_4 is added to prevent the hydrolysis of $Al_2(SO_4)_3 \cdot 18H_2O$. Cooling of the hot saturated solution yields colourless crystals of Potash alum.



RESULT- Colour of the crystals: Colourless
Shape of the crystals: Octahedral.