

Chart F: Solubility Rules

Always soluble:

alkali metal ions (Li^+ , Na^+ , K^+ , Rb^+ , Cs^+), NH_4^+ (ammonium)
 NO_3^- , ClO_3^- , ClO_4^- , CH_3COO^- ($\text{C}_2\text{H}_3\text{O}_2^-$)

Generally soluble:

Cl^- , Br^- , I^-	Soluble except Ag^+ , Pb^{2+} , Hg_2^{2+} (<i>CuI₂ is insoluble</i>)
F^-	Soluble except Ca^{2+} , Sr^{2+} , Ba^{2+} , Pb^{2+} , Mg^{2+} , H^+
SO_4^{2-}	Soluble except Ca^{2+} , Sr^{2+} , Ba^{2+} , Pb^{2+} , Hg_2^{2+}

All others considered insoluble