

Observations:

Initial unknown chloride sample weight (gm):

Initial Buret Volume:

Final Buret Volume:

Volume of AgNO_3 solution added (ml):

Moles of $\text{AgCl} = (\text{Volume of } \text{AgNO}_3 \text{ added}) \times (\text{Molarity of } \text{AgNO}_3) :$

Weight of Cl^- in XCl sample = (moles of AgCl) \times (atomic weight of $\text{Cl}^- = 35.4527$) $:_.$

% Cl^- in sample = (weight of Cl^- in XCl sample / weight of XCl sample) \times 100 % :