Normality of solution in physical chemistry

Number of gram equivalent solute dissolved per litre of solution

Expression for normality of solution in physical chemistry

- $$\text{Normality} = \frac{\text{Number of gram equivalent of solute}}{\text{Volume of solution in litre}}$$

Derivation for Expression for normality of solution in physical chemistry with relation to gram per litre

- $$\text{Normality} = \frac{\text{Number of gram equivalent of solute}}{\text{Volume of solution in litre}}$$
- $$\text{Normality} = \frac{\frac{\text{Weight in gram}}{\text{Equivalent weight}}}{\text{Volume of solution in litre}}$$
- $$\text{Normality} = \frac{\text{Weight of solute in gram}}{\text{Weight of solution in litre}} \times \frac{1}{\text{Equivalent weight}}$$
- $$\text{Normality x Equivalent Weight} = \frac{Weight of solute in gram}{Volume of solution in litre}$$
- $$\text{gmL}^{-1} = \text{Normality} \times \text{Equivalent Weight}$$

Expression of weight in terms of normality when volume of solution is given in mili litre

$$W = \frac{NEV}{1000}$$

Expression for normality of solution in terms of percentage weight by weight and density

$$N = \frac{\%(\frac{w}{W}) \times sp.gr. \times 10}{E}$$