

5] Molar Ratio of Iron to Copper

Iron : Copper

Fe : Cu

$$\frac{0.04732}{0.04732}$$

$$\frac{0.04928}{0.04732}$$

$$1$$

$$1.0412$$

1 : 1.0412

$$\frac{\text{Fe}}{\text{Cu}} = \frac{0.04732 \text{ moles}}{0.04928 \text{ moles}}$$

$$\text{Moles ratio} = 0.96023 \times \frac{1}{1000}$$

$$= 0.00096$$

$$= \text{~~0.00096~~}$$

$$= \underline{\underline{0.001}}$$

6] Percentage Yield

$$\text{Percentage Yield} = \frac{\text{actual yield}}{\text{theoretical yield}} \times 100$$

$$= \frac{0.001}{1} \times 100$$

$$= \underline{\underline{0.1\%}}$$