

Beurteilung

$$\mu_{Cu} + \sigma_2 = 2Cu_{20}$$

1) $\mu_{Cu} = 12,72$

2) $\sigma_{Cu} = 14$

$$\mu(Cu) = 64$$

$$n(Cu) = \frac{12,72}{0,20 \text{ mmol}} = 63,6$$

$$3) n(Cu) > n(Cu_{20})$$

gewonnen $n(Cu_{20})$ & 2 mmol

gewonnen $n(Cu_{20}) = 0,10 \text{ mmol}$

$$4) m(Cu_{20}) = n \cdot M$$

$$m(Cu_{20}) = 0,10 \text{ mmol} \cdot 144 = 14,4$$

$$M(Cu_{20}) = 24 \times 2 + 16 = 144$$

Ergebnis: $m(Cu_{20}) = 14,4$