

Magnesium hydroxide is 54.87% oxygen by mass. How much oxygen is in 118 g of the compound?

Answer in units of g

**Solution**

If the mass of oxygen is 54.87% from mass magnesium hydroxide, 118 g of compound contain

$$118\text{g} \cdot 0.5487 = 64.747\text{g of oxygen}$$

**Answer:** 64.747g