



PERCENTAGE MASS

You can find the percentage by mass of an element in a compound.

e.g. % by mass of Fe in Fe₂O₃ = $\frac{(\quad)}{100 \times \quad} = 70\%$

1 % by mass of O in H₂O

2 % by mass of O in SO₃

3 % by mass of Na in Na₂CO₃

4 % by mass of N in Ca(NO₃)₂

5 % by mass of O in Ca(NO₃)₂

6 % by mass of Cl in FeCl₃

7 % by mass of N in NH₄NO₃

8 % by mass of S in Al₂(SO₄)₃

9 % by mass of Li in lithium oxide

10 % by mass of Cr in chromium(III) oxide

11 % by mass of O in calcium hydroxide

12 % by mass of N in ammonium iodide

13 % by mass of O in CuSO₄.5H₂O

Area	Strength	To develop	Area	Strength	To develop	Area	Strength	To develop
Done with care and thoroughness			Can work out % by mass			Shows suitable working		
Can work out Mr			Can write formulae			Suitable and correct rounding		