

(iii) What does $x\text{H}_2\text{O}$ represent in the formula $\text{Al}_2(\text{SO}_4)_3 \cdot x\text{H}_2\text{O}$?

Water of crystallisation.

[1]

H_2O crystals to constant mass.

has a mass of 5.76 g.

value of x .



$$\frac{5.76 \text{ g}}{18}$$

$$= 0.32 \text{ mol}$$

$$\frac{0.02}{0.02}$$

$$= 16$$

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