

(iii) What does xH_2O represent in the formula $Al_2(SO_4)_3 \cdot xH_2O$?

Water of crystallisation.

[1]

H_2O crystals to constant mass.

has a mass of 5.76g.

value of x .

+



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

$$= 0.32 \text{ mol}$$

$$\frac{0.02}{16}$$

$$= 16$$

$x =$



Ocr June 2013 F321

Peter Cann, Peter Hughes



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