



02.3	The cyclohexene separated in Question <b>02.2</b> was obtained as a cloudy liquid. The student dried this cyclohexene by adding a few lumps of anhydrous calcium chloride and allowing the mixture to stand.
	Give <b>one</b> observation that the student made to confirm that the cyclohexene was dry. [1 mark]
02.4	In this preparation, the student added an excess of concentrated phosphoric acid to 14.4 g of cyclohexanol ( $M_r = 100.0$ ). The student obtained 4.15 cm <sup>3</sup> of cyclohexene ( $M_r = 82.0$ ). Density of cyclohexene = 0.810 g cm <sup>-3</sup> Calculate the percentage yield of cyclohexene obtained.
	Give your answer to the appropriate number of significant figures. [5 marks]
	% yield
	Question 2 continues on the next page
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<b>                                    </b>	IB/G/Jun19/7405/2



