

June 2003

INTERNATIONAL GCSE

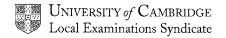
MARKING SCHEME

MAXIMUM MARK: 40

SYLLABUS/COMPONENT: 0620/05

CHEMISTRY

(Practical)



Page 1	Mark Scheme	Syllabus	Paper
	IGCSE EXAMINATIONS – June 2003	0620	5

1			Table of results					
			Experiment 1	Initial and fina	al readings recorded to 1 decimal pla	ce	[1] [1]	
			Experiment 2	Initial and fina	al readings recorded to 1 decimal pla	ce	[1] [1]	
			Results comparable		[2]			
	(a) red/burgundy/brown					[1]		
	(b)		yellow (1) to blue/black (1) see Supervisor IGNORE green				[2]	
	(c)	(i) (ii) (iii)	Experiment 1 △ 2 x, double volume (1) in Experiment 1 (1) not just more potassium iodate less concentrated solution C than B or vice versa not different concentrations					
		(iv)						
	(d)		Indicator (1) reference to accuracy (1)/end-point/see more clearly not test for I ₂ /I ⁻			early	[2]	
			<u>not</u> test 101 12/1			[Question total	: 18]	
2	(a)		bubbles/condensation	n/goes black		max 2	[2]	
	(b)		filtrate - colourless <u>r</u> residue - green	<u>ot</u> clear			[1] [1]	
	(c)	(i)	effervescence/fizz/bubbles limewater → milky			[1] [1]		
		(ii)	solution is blue blue (1) precipitate (1) royal/deep blue (1) solution (1)			[1] [2] [2]		
	(d)	(i) (ii) (iii)	white (1) precipitate white (1) precipitate white precipitate (1)	` '	` ,		[3] [3] [1]	
	(e)		zinc (1) sulphate (1)		reversed = 0		[2]	
	(f)		copper (1) carbonate hydrated (1)	e (1)	reversed = 0	max 2	[2]	
		[Question total						
			[Total for paper:					
			Results obtained for Question 1/cm ³					
				a.t	n d			

 $\begin{array}{cccc} & & 1^{\text{st}} & 2^{\text{nd}} \\ \text{Experiment 1} & 16.5 & 16.3 \\ \text{Experiment 2} & 8.3 & 8.2 \end{array}$