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## 0620 CHEMISTRY

0620/52

Paper 5 (Practical), maximum raw mark 40

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age 2	Mark Scheme Sy	oer
	Cambridge IGCSE – October/November 2014 062	Pac
in to	able of results for Experiment 1 itial and final volumes and difference completed correctly (1) 1 decimal place (1) omparable to supervisors (1) ±2 cm <sup>3</sup>	A. DabaCambrid
CC	Simparable to supervisors (T) ±2 cm	
Ín	able of results for Experiment 2 itial and final volumes completed correctly (1) nd difference (1)	
CC	pmparable to supervisors (1) $\pm 2 \text{ cm}^3$	[3]
(c) (i)	) yellow, <b>not</b> orange to pink / orange (1) <b>not</b> red	[1]
(ii)	) as an indicator / to show end point (1) ignore to see colour change	[1]
(iiii)	) neutralisation (1)	[1]
(d) (i	) experiment 1 (1) allow: ecf from tables	[1]
(ii)	) quantitative comparison experiment 2/x cm <sup>3</sup> more than (1)	[1]
(iii)	solution B more concentrated/stronger (1) or converse explanation e.g. 4X as concentrated/less volume used (1)	[2]
<b>(e)</b> ha	alf value / half value from table result for experiment 2 (1) $cm^3$ (1)	[2]
• •	dvantage asy to use / quick / convenient (1)	
di	sadvantage	
no	ot accurate (1)	[2]
	ame volume of each solution (1) add suitable named reactant (1) xpected observation (1) comparison (1)	
	g. 10 cm <sup>3</sup> of each acid (1) add strip of magnesium/named carbonate (1) fervescence (1) more rapid bubbles means stronger acid (1)	[4]

## **PA CAMBRIDGE**

Page (	3	Mark Scheme Sy	A per
		Cambridge IGCSE – October/November 2014 062	Than 1
(a)	(i)	purple / black / violet (1) crystals (1)	amp
	(ii)	drops / condensation at top of tube (1) colour change to green/grey (1) green on cooling (1)	Papacambridg max
(b)	(i)	green / grey (1) <b>not</b> white precipitate (1)	[2]
		dissolves / clears (1)	[1]
	(ii)	green / grey <b>not</b> white precipitate (1) insoluble (1)	[2]
(c)		e / green (1) glowing splint (1) relights / glows brighter (1) ervescence / bubbles (1)	max [3]
(d)	no	reaction / no precipitate / no change / colourless solution (1)	[1]
(e)	whi	white (1) precipitate (1)	
(f)		Irated/water (1) ow transition metal	[1]
(g)		halide / chloride / iodide (1) sulfate (1) nsition metal / iron / chromium / catalyst (1)	[3]

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