

June 2004

INTERNATIONAL GCSE

MARK SCHEME

MAXIMUM MARK: 40

SYLLABUS/COMPONENT: 0620/05

**CHEMISTRY
Practical**



Page 1	Mark Scheme	Syllabus	Paper
	Chemistry – June 2004	0620	5

1	Table of results		
	Experiment 1		
	Temperature boxes completed		1
	Increasing		1
	Comparable to supervisor		1
			[3]
	Experiment 2		
	Temperature boxes completed		1
	Decreasing		1
	Comparable to supervisor		1
			[3]
(a)	All points plotted correctly		4
	(-1 for each incorrect)		
	Smooth line graphs		2
	Labelled		1
			[7]
(b)	(i)	1. Value from graph	1
		2. Value from graph ± 0.25 } No unit only (1)	1
			[2]
	(ii)	1. Exothermic	1
		2. Endothermic	1
			[2]
(c)	Fizz/bubbles/effervescence		1
	Solid disappears		1
			[2]
(d)	Carbonate		1
	Fizz with acid or similar		1
			[2]
(e)	Solid A – value from table/room temperature $\pm 3^{\circ}\text{C}$		1
	Solid B – value from table/room temperature		1
	Reaction finished		1
			[3]
		Sub Total	[24]
2	(a)	White	1
			[1]
	(c)	(i)	White
			Precipitate
			1
			1
			[2]
		Excess – no change	1
			[1]
	(ii)	No precipitate/change	1
			[1]
	(iii)	Paper goes blue	1
		Fizz/bubbles etc	1
		Reference to smell	1
			[3]
	(iv)	pH greater than 7	1
			[1]
	(v)	Milky/cloudy	1
			[1]
(d)	Calcium		1
(e)	Ammonia		1
			[1]

Page 2	Mark Scheme	Syllabus	Paper
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(f)	Limewater	1	
	Carbon dioxide	1	[2]
(g)	Nitrate	1	
	Hydroxide	1	[2]
		Sub Total	[16]
		Total	[40]