UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

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for the guidance of teachers

0620 CHEMISTRY

0620 / 51

Paper 5 (Practical), maximum raw mark 40

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes must be read in conjunction with the question papers and the report on the examination.

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Р	age	e 2	Mark Scheme: Teachers' version Syllabus	2			
	•		IGCSE – May/June 2012 0620	apac.			
(a) т	able	of results	annbr			
	1	,2,4,	e of aqueous potassium chloride boxes completed correctly (1) 5, 6 and 7	oapacambrida [4]			
		-	ts of solid boxes completed (1) in mm (1) iding order / last 2 level out (1)	[4]			
(b		all points correctly plotted including origin (2), -1 for any incorrect appropriate scale for y axis(at least half of grid) (1)					
		est f	[4]				
(c) v	alue	from graph (1) unit (1) shown clearly (1)	[3]			
(d	l) p	recip	vitation / double decomposition (1)	[1]			
(e) h	eigh	t increases(1) levels off (1)	[2]			
(f)) s	ame	heights owtte (1)				
	а	II lea	d nitrate reacted / / reaction finished / excess potassium chloride (1)	[2]			
(g) y	ellov	/ precipitate / solid (1)	[1]			
(h) ir) improvement (1)					
	W	e.g. use burette or pipette / leave solid to settle longer / repeat / wider range of volumes for KCl explanation (1)					
		e.g. instead of a measuring cylinder / heights more accurate / take average / more reliable / accurate					
(a) w	white (1)		[1]			
(b)) (i	S	ondensation / drops of liquid / water / steam (1) olid is still white no (colour) change (1) zzes / effervescence (1) lighted splint extinguished / owtte (1)	[2] [2]			
	(i		zz / bubbles / effervescence (1) limewater(1) hilky / cloudy / white precipitate (1)	[3]			
	(i		ffervescence / fizz / bubbles (1) arkens / turns black / green (1) ignore: blue	[2]			
	(i		escription of smell of ammonia / sublimate (1) H paper turns blue / green or pH > 7 (1) allow : litmus goes blue	[2]			

			Mary .	
Pa	ige 3	Mark Scheme: Teachers' version	Syllabus	X
		IGCSE – May/June 2012	0620	2
(c)		nperature recorded (1) °C (1) perature recorded and lower (1) I)		bacambridge.com
(d)	carbon d	ioxide (1)		[1] 2017
(e)	ammonia	a (1) not : ammonium		[1]
(f)	endother	mic (1)		[1]
(g)		ncarbonate / carbonate (1) alkaline (1) not : sodium sition metal (1) max 2	hydroxide	[2]