UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the May / June 2012 question paper 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.

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Page 2		Mark Scheme: Teachers' version	Syllabus	Paper	
		IGCSE – May/June 2012	0620	51	
(a)	Table of	f results			
	1,2,4,5, heights	of aqueous potassium chloride boxes completed co 6 and 7 of solid boxes completed (1) in mm (1) ng order / last 2 level out (1)	orrectly (1)	[4	
(b)	all point appropr best fit s	[4			
(c)	value from graph (1) unit (1) shown clearly (1)			[3	
(d)	precipita	ation / double decomposition (1)		[1	
(e)	height ir	ncreases(1) levels off (1)		[2	
(f)	same heights owtte (1)				
	all lead	nitrate reacted / / reaction finished / excess potass	sium chloride (1)	[2	
(g)	yellow	orecipitate / solid (1)		[1	
(h)	improvement (1)				
	e.g. use wider ra explana				
		ead of a measuring cylinder / heights more accura liable / accurate	te / take average /	[2	
(a)	white (1)		[1		
(b)	soli	densation / drops of liquid / water / steam (1) d is still white no (colour) change (1) es / effervescence (1) lighted splint extinguished / o	owtte (1)	[2 [2	

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pH paper turns blue / green or pH > 7 (1) allow: litmus goes blue

[3]

[2]

[2]

(ii) fizz / bubbles / effervescence (1) limewater(1)

darkens / turns black / green (1) ignore: blue

(iv) description of smell of ammonia / sublimate (1)

milky / cloudy / white precipitate (1)

(iii) effervescence / fizz / bubbles (1)

ı age o	Mark Contenie: readilers version	Oy nabas	i apci
	IGCSE – May/June 2012	0620	51
` '	nperature recorded (1) °C (1) perature recorded and lower (1)		[3] [1]
(d) carbon d	ioxide (1)		[1]
(e) ammonia	a (1) not : ammonium		[1]
(f) endother	mic (1)		[1]
	ncarbonate / carbonate (1) alkaline (1) not : sodiur sition metal (1) max 2	n hydroxide	[2]

Syllabus

Paper

Mark Scheme: Teachers' version

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