



AS
June 2016

Chemistry

7404

Data Sheet

Insert

This Data Sheet is provided with AQA AS Chemistry question papers.

Table A
Infrared absorption data

Bond	Wavenumber /cm⁻¹
N—H (amines)	3300–3500
O—H (alcohols)	3230–3550
C—H	2850–3300
O—H (acids)	2500–3000
C≡N	2220–2260
C=O	1680–1750
C=C	1620–1680
C—O	1000–1300
C—C	750–1100

The Periodic Table of the Elements

1	2	3	4	5	6	7	0																																																																								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)																																																														
6.9 Li lithium 3	9.0 Be beryllium 4	23.0 Na sodium 11	39.1 K potassium 19	85.5 Rb rubidium 37	132.9 Cs caesium 55	[223] Fr francium 87	[226] Ra radium 88	[227] Ac † actinium 89	[267] Rf rutherfordium 104	[268] Db dubnium 105	[271] Sg seaborgium 106	[270] Hs hassium 108	[276] Mt meitnerium 109	[281] Ds darmstadtium 110	[280] Rg roentgenium 111	158.9 Tb terbium 65	157.3 Gd gadolinium 64	152.0 Eu europium 63	144.2 Nd neodymium 60	[145] Pm promethium 61	150.4 Sm samarium 62	[244] Pu plutonium 94	[237] Np neptunium 93	232.0 Th thorium 90	231.0 Pa protactinium 91	238.0 U uranium 92	[267] Bh bohrium 107	[272] Bh bohrium 107	186.2 Re rhenium 75	190.2 Os osmium 76	192.2 Ir iridium 77	195.1 Pt platinum 78	197.0 Au gold 79	200.6 Hg mercury 80	204.4 Tl thallium 81	207.2 Pb lead 82	209.0 Bi bismuth 83	[209] Po polonium 84	[210] At astatine 85	[222] Rn radon 86	126.9 I iodine 53	127.6 Te tellurium 52	121.8 Sb antimony 51	118.7 Sn tin 50	114.8 In indium 49	107.9 Ag silver 47	106.4 Pd palladium 46	102.9 Rh rhodium 45	101.1 Ru ruthenium 44	98.9 Tc technetium 43	96.0 Mo molybdenum 42	92.9 Nb niobium 41	91.2 Zr zirconium 40	88.9 Y yttrium 39	87.6 Sr strontium 38	85.5 Rb rubidium 37	83.8 Kr krypton 36	79.9 Br bromine 35	79.0 Se selenium 34	74.9 As arsenic 33	72.6 Ge germanium 32	69.7 Ga gallium 31	65.4 Zn zinc 30	63.5 Cu copper 29	58.7 Ni nickel 28	58.9 Co cobalt 27	55.8 Fe iron 26	54.9 Mn manganese 25	52.0 Cr chromium 24	50.9 V vanadium 23	47.9 Ti titanium 22	45.0 Sc scandium 21	40.1 Ca calcium 20	40.1 Ca calcium 20	24.3 Mg magnesium 12	23.0 Na sodium 11	9.0 Be beryllium 4	1.0 H hydrogen 1	4.0 He helium 2
												Elements with atomic numbers 112-116 have been reported but not fully authenticated																																																																			
<p>* 58 – 71 Lanthanides</p> <p>† 90 – 103 Actinides</p>																																																																															